

AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

DECEMBER 15, 1955



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The Nurseryman's Forte: To Make America More Beautiful and Fruitful

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Forms for the January 1 issue will close Friday, December 16.

Forms for the January 15 issue will close Friday, December 30.

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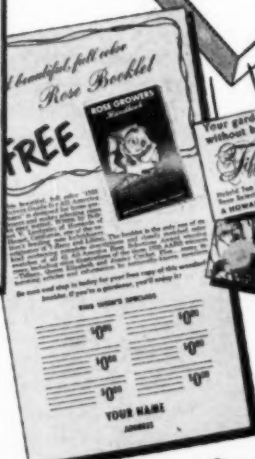
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AMERICAN NURSERYMAN

F. R. KILNER
Editor and Publisher

FRED H. KILNER
Managing Editor

Editorial

Merry Christmas!

The past year undoubtedly has been the most prosperous yet enjoyed by the nursery industry, just as it was for the country as a whole. The problems and difficulties of the trade were in handling orders and getting the work done, rather than in securing them. As the year ends, the trend is one of increasing optimism.

Sharing in the industry's advance, the American Nurseryman in the past year has set new records in volume of business and in number of readers. In this, the participation of old friends and of new ones is largely responsible.

So in the warmest spirit of the yuletide season, and with the sincerest thanks, the staff wishes all who read these lines a very Merry Christmas.

HOUSING FORECAST

Predicting an increase of 55,000,000 to 60,000,000 people in the population of this country by 1975, the economists of the National Association of Manufacturers assert that at least 30,000,000 new dwellings will be needed throughout the country in the next 20 years, because of the increased tendency of families to move into suburban areas.

On that basis the present annual rate of home building would be maintained or exceeded. If that is to be so, nurserymen will experience no diminution in business in the next generation, and, indeed, will rather be called upon to step up their present rate of production.

MEMORIES ARE SHORT

Not many years ago criticisms were severe on the home plantings made in the 1920's with evergreens, because in time the spruces, firs, pines and upright junipers grew nearly roof high, darkening windows and overshadowing porches and verandas, besides producing a landscape picture that was not pleasing. Everyone is familiar with those plantings,

because some of them remain today, though the public has learned, meantime, something about keeping those evergreens in bounds by regular pruning.

If those much-criticized overgrown plantings originally framed 2-story houses, what is going to be the result of the use of similar evergreens about modern 1-story homes? These are not, indeed, surrounded by upright-growing forest-type evergreens, but such trees are used in accent positions and at corners. Even now some of them are reaching heights that almost dwarf the already flat-appearing ranch houses.

These plantings are not all made by young nurserymen who know no better. They have been noted as the work of established landscape firms old enough to remember. Perhaps they were done hurriedly and for lack of more suitable materials, but they will just as surely bring criticism and dissatisfaction later. If those who are able will hark back to the castigation received by those plantings of the 1920's, they will give more thought to the materials used in present landscape jobs.

ROADSIDE CONSERVATION

A score of years ago, when the federal government undertook an ambitious road-building program to help relieve the depression, considerable attention was developed with regard to planting the borders of such highways. Since that time the famed examples of metropolitan parkways or highways in the east have shown what was possible in the beautification of roadsides.

Now another era of road building is starting, state and federal governments joining in extensive programs. Toll roads are being undertaken on a large scale.

It has been estimated that the strips of land that border the major highways, present and projected, total in area more than 60,000 square miles, a greater area than the state of Georgia.

Planting of these roadsides is important, not only for beautification, or for the protection of the roads and the land adjoining them from flooding and soil erosion, but also to reduce driver fatigue and prevent accidents.

Experiments have been made and are progressing now with regard to the value of plantings, not only to screen buildings from motorists' vision, but also to cut off the noise

of the highways from the occupants of the buildings. Tests are being made as to the effects of plantings on wind, snow drifting, headlight glare and other safety factors.

Planting materials have been studied particularly by the federal bureau of public roads. Trees and shrubs native or adapted to various sections of the country have been compiled in a check list for the guidance of road planners. Effort has been made to interest nurserymen in the propagation of such plants, so that there will be an adequate supply when and where they are needed.

Most of the important roads on which much planting is done are in metropolitan areas or, at least, in the most densely populated sections of the country. Nurserymen's organizations in those areas and sections, joining with those other associations interested in highway beautification, safety and conservation of natural resources, whether trees or soil, can see that the maximum benefit is gained from the planning and planting of new roads as they are built and from the maintenance of roadsides once established. The advantage to the industry will be a benefit to the public.

MAILING LISTS

Whether it is a local list for occasionally mailing announcements or whether it is an extensive file for catalog distribution, the nurseryman's mailing list needs at least an annual review for the removal of deadwood.

Every businessman's mail contains horrible examples of untended mailing lists, and they need not be enumerated here.

During the quiet period of the year, set aside a time for going over your list. If you do not have a definite policy with regard to the removal of old names, take time to formulate one, for you will be well repaid by the sizable saving in postage.

NINE new or rare plants propagated and distributed to nurserymen and botanic gardens in 1954-55 by the Arnold Arboretum included *Cytisus praecox luteus*, a dwarf broom; *Larix decidua pendula*, a male form of *Phellodendron amurense*, and a new dark red-flowered bush honeysuckle, which originated in the arboretum in 1947.



Newly elected officers of Holly Society of America, Inc., are, front row, vice-president, Dr. George S. Avery, Jr., director, Brooklyn Botanical Garden, Brooklyn, N. Y.; president, Clarence R. Wolf, president, New Jersey Silica Sand Co., Millville, N. J.; secretary-treasurer, Charles A. Young, Jr., department of public parks and squares, Baltimore, Md. In the rear row are trustees, Harry William Dengler, Maryland extension service, College Park, Md.; Robert B. Clark, Rutgers University, New Brunswick, N. J.; G. A. Van Lennep, Jr., Holly Harbor Nursery, St. Michaels, Md.; Stewart McLean, McLean's Holly Nursery, Towson, Md., and Daniel Fenton, New Jersey Silica Sand Co., Millville, N. J.

Hear Research at Holly Society Meet

By Harry William Dengler

With 159 registered members and guests in attendance at its annual fall meeting, Holly Society of America, Inc., staged one of the largest and most successful meetings of its 8-year history November 11 and 12. Headquarters for the affair were the Douglas College for Women and Rutgers University, New Brunswick, N. J.

The following officers were elected to serve for a 2-year term: President, C. R. Wolf, Millville, N. J.; vice-president, Dr. George S. Avery, Jr., Brooklyn Botanical Garden, Brooklyn, N. Y., and secretary-treasurer, Charles A. Young, Jr., Baltimore, Md.

The meetings began the afternoon of November 11, with a tour through the holly collections at horticultural farm No. 1 of the New Jersey agricultural experiment station. Prof. Robert B. Clark, department of ornamental horticulture, Rutgers University, conducted the group.

The ilicetum, or holly arboretum, is so arranged that the hollies are grouped according to their taxonomic characteristics. This includes two subgenus groups. The first, *euilex*, is evergreens with thick, leathery leaves; the second, *prinus*, is deciduous plants with thin leaves. The *euilex* subgenus is further divided into three sections, of which the *lioprinus* is represented by *Ilex opaca*; the *paltoria* section by

I. crenata, *glabra* and *pedunculosa*, and the *aquifolium* by *Ilex aquifolium*, *cornuta* and *pernyi*, among others.

The subgenus *prinus* is divided into two sections. The first, the *euprinus*, with smooth seeds, is represented by *I. verticillata*, of eastern North America; the second, with rough seeds, by *I. montana*, of southeastern United States.

Large American Holly Group

The New Jersey collection of American holly, *I. opaca*, totals 190 varieties and is undoubtedly the largest accumulation of its kind in the United States. These plants are grouped, for comparison purposes, by the location of their sources. They were planted in 1949, with additions up to the present year. Locations of the original trees ranged through Massachusetts, New York, Pennsylvania, New Jersey, Delaware, West Virginia, Maryland, Ohio and Florida.

A portion of the ilicetum is devoted to a hedge demonstration. Four varieties of American holly are spaced two, two and one-half and three feet apart in single rows. Six varieties of Japanese holly, *I. crenata*, are planted at spacings of from six inches up to two and one-quarter feet apart. One of the early plantings is now nearly 6 years old.

There are 26 varieties of Ameri-

can holly planted in 23 rows running north and south in an orchard in the ilicetum. The earliest of these were set out in 1946. Here, individual trees receive different fertilizer treatments annually to determine the effects of the treatments on the fruiting and foliage habits of the varieties.

The ilicetum also contains a shrub holly garden and a deciduous forest with hollies. A greenhouse contains tubbed plants that are not hardy outdoors. Two nurseries are maintained for lining out young plants, and deep frames give winter protection to newly potted hollies, besides making greenhouse space available for freshly rooted cuttings.

The afternoon ended with a pleasant social hour at the station's Log Cabin lodge.

Holly Place Mats

Thursday evening the group reassembled at the Rutgers University commons for a pleasantly informal dinner meeting. President C. R. Wolf presided.

David Fenton, of the New Jersey Silica Sand Co., Millville, N. J., called attention to another innovation in the history of the society. This was the place mat at each table setting. The mats were green and red and carried a printed article titled, "The Story of Holly," giving a brief account of the plant's



C. R. Wolf, Millville, N. J., president, Holly Society of America, Inc., presents the society's certificate of honor to Dr. Charles H. Connors, research specialist in horticulture, Rutgers University, New Brunswick, N. J., for his research work on holly and his efforts in establishing the New Jersey holly research committee.

folklore. Reproduced on the mats were the holly murals of artist Forrest C. Crooks, Doylestown, Pa., now hanging in the Millville, N. J., Y. M. C. A. building. Mr. Fenton explained that restaurant operators have their place mats of the month. The mat used at the convention is the December, 1955, place mat of the month and is to be found in all restaurants which are members of the plan.

After the meal, President Wolf introduced the past and present officers of the society, the program speakers, visitors and guests. The group then adjourned to a nearby room for a viewing of movies and slides of previous society meetings, unusual holly plantings and events significantly related to holly. Scenes of interest included the town of Pinehurst, N. C., where there are more hollies used as shade trees than in any other city in the United States. Beautiful Clarendon Gardens, also at Pinehurst, with their many species and varieties of holly, were found most attractive. Especially exciting were views of the 127-acre holly orchard of Mr. Van Cise, Albany, Ga.

Colored slides were shown of the much-publicized B & O holly plant near Jackson, Md. This giant holly is trimmed with 3,000 lights during the Christmas season. All B & O passenger trains slow down to a crawl while passing, to allow the travelers to get a good glimpse of this tree. Last year 15,000 persons attended the special lighting ceremony held at this tree, and over 40,000 individuals

signed the guest register as having visited the tree during the 1954 Christmas holiday season.

New Jersey Holly Research

Friday morning, Dean Mary I. Bunting, Douglas College for Women, State University of New Jersey, expressed her pleasure at welcoming the holly society to New Brunswick and to the college.

Ordway Starnes, assistant director, New Jersey agricultural experiment station, said interest in holly in New Jersey is high. The station has made notable contributions to holly information through its personnel, through its establishment of the holly orchard and ilicetum and through its holly nutrition, propagation, parthenocarpy and seed germination studies. The station has added two men who are interested in holly. Dr. Starnes recognized Dr. Charles H. Connors, of the station's staff, for his long interest in hollies and mentioned that Robert B. Clark is taking his doctorate on holly problems.

President Wolf responded to Dr. Starnes' talk with expressions of appreciation for the station's interest in holly. He was especially grateful for the assistance that Dr. Charles H. Connors had rendered in selecting suitable varieties for the New Jersey Silica Sand Co.'s holly orchards.

Holly Slides

Secretary-Treasurer Charles A. Young, Jr., department of public parks and squares, Baltimore, Md.,

reported that the society now has 528 regular members and 176 sustaining members. The scholarship fund now totals \$875. Due to the serious illness of the society's historian, Maynard M. Fulton, Harrisburg, Pa., Anthony H. Gould, Washington, D. C., has agreed to serve temporarily in this capacity. Mr. Young urged everyone to send to Mr. Gould magazine articles and news clippings relating to holly.

The society is now actively engaged in assembling a collection of slides of holly varieties and trees of notable or historic interest. Members are urged to cooperate with the committee, composed of Professor Clark and Mr. Fenton. A script is to be prepared to accompany the slides, Mr. Young declared, and will be made available for garden club meetings on a rental basis.

At the request of American Horticultural Council, Inc., the society has agreed to serve as the registry agency for the genus *ilex*.

The morning's business meeting continued with reports of committee chairmen. For the soils committee, Professor Clark summarized his search through the literature on the relationships of hollies to soils. His findings were meager and indicated that much research needs to be done in this direction. The natural range of American holly suggests its affinity for coastal plain soils, but this picture is only partial, since this species ranges to the interior of eastern North America. The black alder, *I. verticillata*, is found on glaciated soils and is one of the hardiest native hollies. Yaupon holly was found to be tolerant to salt spray, along with bayberry.

Dieback of Holly

Dr. Stephen Batchelder, New Jersey agricultural research station, reported for the committee on holly diseases in the absence of the chairman, G. Flippo Gravatt, U. S. D. A. plant industry station, Beltsville, Md. Dr. Batchelder asked the group to keep a careful observation of their orchards and plantings and report immediately any symptoms of disease. Some winter or frost injury on hollies had been reported during the year from Georgia, North Carolina and the vicinity of Washington, D. C.

Dr. Batchelder called attention to the fusarium dieback disease of American holly. This heretofore undescribed fungous disease is relatively new to the northeast, being reported first in New Jersey in 1940. The first noticeable symptom of the

[Continued on page 72]

Retailers' Reports Show Fall Gains

Retail nurserymen, generally, indicate satisfaction with the fall trade, though its gains cited in the reports published in this issue are not equivalent to those in spring this year. Gains reported for the past season over last year's ranged from 1 to 30 per cent. In the few instances where sales were lower than last year, little concern was expressed, there being confidence that spring would be better and adequate reason being seen for this year to have been off. Placement of spring orders is generally reported good, often larger than at the same time last year.

Autumn sales seem to represent from 20 to 50 per cent of the annual sales with retail nurserymen. Spring carries the major percentage, nurserymen feel, partly because there is more stock to be sold then, partly because of the established spring planting urge in the public. Some autumn digging in the midwest was seriously delayed by the dry summer. Fall floods in New England cut seasonal trade markedly there, especially in Connecticut. Some areas in the south also were affected by drought conditions.

There is feeling of the need for increasing off-season business, as well as increasing fall sales, through additional trade advertising. There is also awareness of increased competition for the consumers' dollar. While some nurserymen mention continued desire on the part of customers to do their own planting, others see an

opposite trend, along with a growing demand for specimen and quality stock. Collections are reported better by some. Landscape work seems to be adding considerable volume, especially through industrial plantings. New home building still makes heavy demands.

The growing season was mostly good. Where exceptionally damaging conditions prevailed, it is felt stock will recover in spring.

Greenwich, Conn., Boom

Fall business now equals and often exceeds spring trade, writes Wellington Kennedy, Kennedy Nursery, Greenwich, Conn.; he reports as follows:

"This southwestern corner of Connecticut, which tucks itself into the New York metropolitan area, has experienced a fantastic spiral of building activity, limited only by the availability of building mechanics. Riding on this boom, the retail nurserymen here have done all right.

"Our normally perfect weather was marred by the floods which interrupted the exceptional rush of business. However, they were but hesitations in the rush to fill orders with insufficient help. This has been an excellent fall for planting, in spite of excess moisture, which may account for some losses in plant material.

"With the retailers in this area it seems that fall business now equals and often exceeds the volume of spring business. The reports indicate

that this year's volume compared to the previous year's ranges from 'about the same' to 'considerably more.' Along with more of everything else, more headaches in doing business are reported.

"The consensus seems to be that there would have been even more business done if plant material and labor were more readily available, and if it had not been so hot, so dry, so wet.

"There has been a marked change, in that landscaping is now accepted as a natural part of a building as much as the plumbing or masonry. It is now expected that every commercial, municipal or utility structure will be landscaped, and landscaped considerably more than the minimum."

Increase in Pennsylvania

Writing November 23, Louis Wisenbach, Squirrel Hill Nursery, Pittsburgh, Pa., sees fall trade equaling most expectations, adding:

"The fall business started off slowly, despite fairly good advance orders and contracts. This was due partly to very hot and dry weather in early September. As the weather moderated in late September, business began to pick up rapidly, and even with an unusually wet October, orders and work continued to pile up so that most firms were running several weeks behind in their schedules. Business has held up well into November, although there has been

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HEADS N. L. N. A.

The new president of the National Landscape Nurserymen's Association, Walter T. Christianson, is the owner of the Christianson Landscape Service, Fargo, N. D. Mr. Christianson has been active in the nursery and landscape profession for 26 years. He is president of the North and South Dakota Nurserymen's Association, has been executive committeeman for his region and later vice-president of the National Landscape Nurserymen's Association and membership chairman of the National Mail Order Nurserymen's Association and is a member of the membership committee of the A. A. N. Besides the organizations named, Mr. Christianson's firm is a member of the Minnesota State Nurserymen's Association.

Mr. Christianson first became interested in the nursery business through his friendship with the late E. C. Hilborn, Valley City, N. D., a past president of the American Association of Nurserymen, at the time of Mr. Hilborn's initial efforts in behalf of the outdoor living room as

a vehicle for promotion on the part of the landscape and nursery industry. For several years Mr. Christianson was associated with Mr. Hilborn as a salesman on the road, but later he went into business independently, serving clients in the Dakotas, Minnesota and Montana.

Previous to his interest in the nursery business, Mr. Christianson was a professional musician. He attended the University of Valparaiso, Valparaiso, Ind., and at 17 was conducting bands. During World War I he was a bandmaster with the Sixth group, machine gun and training center, Augusta, Ga. After the war, he toured the country as a member of the Million Dollar band, composed of former members of the North Dakota infantry band, so named because Colonel Liggett was reported to have said that this group was worth a million dollars to American overseas troop morale.

Mr. Christianson's wife, Fern, works in the office. They have a daughter, Ardis, and three grandchildren, Stephen, Bruce and Jane.



Walter T. Christianson

Freeze Damage in Northwest

Nursery stock in the Pacific northwest was severely damaged by unexpected cold weather during the week of November 11 to 18, when temperatures dropped suddenly to below freezing and continued low for five days.

The entire area, including Oregon, Washington and British Columbia, was affected by the freeze, but the damage to deciduous stock at Portland, Yakima and Sunnyside, Wash., is of greatest concern to the nursery trade, because it is from these areas that stock is shipped to all parts of the United States.

Usually deciduous stock is dormant enough to stand cold weather in November, but temperatures were above normal during October and early November, and as late as November 11 there still had been no killing frost to mature the stock. Thursday, November 10, the maximum temperature in Portland was 70 degrees, while on Friday, it snowed part of the day, and the temperature that night dropped to approximately 20 degrees. Temperatures during the next five nights ranged from 10 to 20 degrees above zero, with prevailing cold east winds most of the time. These temperatures were the lowest on record for this time of the year.

Growers of deciduous stock had only a small portion of their crop dug, and it is roughly estimated that at least 75 per cent of the stock still remained in the fields at the time of the freeze. Stock that is uninjured is being dug and graded in the usual manner during late November and early December. The portion of deciduous material that shows browning of the buds or the cambium layer will be left in the field until early spring, and then, if it still shows discoloration, will be carried over without digging through the summer. From previous experience in dealing with frost injury, growers have learned that stock will recover well if handled in this manner. It seems likely, therefore, that much of the digging normally done in November or even January. Spring shipping, however, should proceed about as usual.

Stock Reports

Reports of growers in the areas mentioned vary somewhat, but still follow a general pattern, about as follows:

Fruit trees—Injury does not seem serious except in some blocks of

sweet cherry, apricot, plum and prune.

Fruit tree seedlings—Pacific Coast Nursery (John Holmason & Sons), principal grower of apple and pear seedlings, at Sunnyside, Wash., reports this stock to be undamaged. Mahaleb seedlings at Portland also seem to be all right, but Mazzard and Myrobalan show considerable injury. Rooted quince cuttings also apparently are quite badly damaged.

Shade trees—Apparently uninjured in the Portland area with the possible exception of mountain ash.

Flowering trees—Serrulata types of flowering cherry, including Kwanzan, Mount Fuji, etc., apparently are badly damaged and probably unsalable. Weeping cherry (subhirtella type) seems to be in good condition. Flowering crab shows possible injury, but not considered serious. Laburnum vossii apparently is uninjured. Hawthorn shows definite injury to 1-year stock, but most 2-year trees seem to be in good condition. Flowering plum shows definite injury, especially to blirciana, which may not be salable this season.

Deciduous shrubs—In good condition as far as can be determined at this time.

Deciduous hedge material—In good condition.

Roses—Definitely injured, but extent of injury probably will not be determined until December.

Most growers feel that there is some injury to buds in all deciduous stock for the coming season, which may necessitate more grafting than usual in the spring. Growers may be confronted with considerable difficulty in securing sufficient grafting wood and a satisfactory bud supply the coming spring and summer.

Evergreens—Conifers survived the freeze exceptionally well and will be marketed as usual. Broad-leaved evergreens, however, had grown later than usual, and many varieties show discoloration of the foliage and buds. Most evergreen azaleas, camellias and rhododendrons that were not carefully protected have bud injury as well as brown foliage and will have to be carried over until next year. Only a few of the tender varieties seem to be frozen back to the ground.

Meeting at Portland

November 22, nurserymen representing about 90 per cent of the deciduous nursery stock in Oregon and Washington held a meeting at Portland to discuss ways and means of

coping with the problems brought about by the freeze. Although badly discouraged because of their losses and extremely concerned about losses to customers over the country, the group expressed determination to make the best of a difficult situation.

Wayne McGill, chairman of the meeting, appointed a committee of five, with E. Mike Dering as chairman, to investigate the advisability of joining the holly growers, berry growers, orchardists, vegetable growers and other agricultural industries in urging Secretary of Agriculture Benson, through the farm home administration, to declare Oregon and Washington a disaster area. In this manner growers who have difficulty financing their crops in the usual manner can apply for federal loans on more favorable terms than can be secured through banks and other similar channels.

Already reports from suppliers to customers are being made, and with normal, favorable weather during December and January, it is quite possible that losses to the industry will be less than now anticipated.

NATORP EXPANSION

Undertaking a broad expansion program this year, the William A. Natorp Co., Cincinnati, O., is now in process of constructing an elaborate new garden center on 20 acres at Mount Healthy, O., and contemplates another similar but smaller structure near the company's office at Bond Hill, which, with the firm's Kenwood shop, will provide three sales centers in the near future.

The Mount Healthy project, which will be operating for Christmas, presents a building of modern design, with broad sheltering roofs extending sideward like airplane wings from a long central unit. The open-sided structure covers an area 60x170 feet and is designed so that additions can be made as needed. A 2-acre lake will serve as an emergency water supply.

A seasonal display is Natorp's candy cane lane, created by setting up rows of 8-foot red and white striped candy canes with 30-inch handles. Tied in with the display is a candy cane contest for which the awards will be spring planting material.

Two new corporations have been set up to supplement the parent nursery organization in supervising the firm's activities. Formed August 1 were Natorp Landscape Organization, Inc., and Natorp Garden Stores, Inc.

Fall Reports from Garden Stores

One gathers from the reports on fall trade submitted by nurserymen who operate garden stores that these establishments are proving useful to spread sales over longer periods and make possible increased sales of other than plant products. The garden stores facilitate effective displays, making bulb sales more important, according to some reports. It seems to be felt that customers can be better served in the store.

Frequent mention is made in the reports that December is looming highly important as a sales month, as better opportunity is presented to feature holiday greens as well as home and outdoor gardening gifts. The garden store is seen as an excellent device to draw the homeowner back again and again to select gardening accessories each year, even though his plant needs may be small. On the west coast, the garden shop is used to special advantage in developing seasonal shows to stimulate gardening interest and sales.

Fall trade at the garden shops in New England was fair, with nurserymen recuperating after the fall floods. A 15 per cent gain is reported from New Jersey. Rainy week-ends cut trade in one area; drought delayed the start of sales in another. Nurserymen felt the effects of weather, whether or not they operated stores. In Kentucky trade was "satisfactory." In Kansas cash-and-carry trade was down, landscape work was up. Fall business was reported up for the season and the year on the west coast, where a severe freeze last month damaged stock in Oregon and ended an excellent early fall retail trade.

Many interesting observations can be noted in the cross-country reports which follow.

Vital Autumn Trade

Ralph M. Foster, president, the Planters Barn, Darien, Conn., writes:

"Autumn business here is more vital to our financial progress than is spring trade, for the reason that fall is the season in which we reduce inventory in live plants, holding over as few things as possible. The long fall season makes it possible to finish jobs begun in spring, do lawn building and sell lawn seeds and bulbs. This is a composite view of our set-up, which includes the landscaping department.

"Broken down, the retail sales garden sales are much higher in the

spring than in the fall. In the fall our sales are largely dependent on the landscaping department. The retail sales in spring are at least twice as much as in the fall. Whereas in the landscaping end they run about the same, being governed by the labor supply on hand.

INDIANA PRESIDENT



Troy Bunch, Bunch Nurseries, Terre Haute, Ind., president of the Indiana State Nurserymen's Association, has had contact with the nursery business during much of his life, being a youth when his father, the late John C. Bunch, established the nursery in 1928. The business was expanded in 1935, and in 1936 Troy started to work with his father. He also attended the Indiana State Teachers' College and a business college.

In 1940, Mr. Bunch married and built a home next door to his parents, near the nursery. In 1941 the firm purchased 27 acres about five miles from the original location. The following year, Troy joined the army and served three years in the air corps during World War II, becoming a flight officer in the European theater.

Returning from service, he became a partner in the nursery firm, which in 1945 became J. C. Bunch & Son, continuing a retail and wholesale business, as well as landscape work. In recent years a garden center has also been developed. Mr. Bunch is now 40 years old and has a child.

It has been natural for Troy Bunch to be close to the state association work, for his father had been similarly identified; the latter was serving his second term as president of the Indiana Association of Nurserymen at the time of his death in 1950. Troy Bunch was a member of the executive committee of the association for several years prior to his recent election as president and was a delegate to the annual convention of the American Association of Nurserymen for four years.

"The picture this fall was affected seriously by the bad week-end weather, floods, hurricanes, etc., which put a serious dent in retail sales, making it necessary to run a clearance sale in November to reduce inventory to make room for Christmas trees, live and cut, which account for gross December sales equalling May sales."

Flood Effects

Early fall was up in sales in Connecticut, but floods affected October and November business, writes John A. Petroccia, Gardener's Center, Darien, Conn. His comments in full follow:

"Autumn sales of nursery stock, grass seed, fertilizer and bulbs make up the bulk of our fall business, which is about 20 per cent of the year's total. Spring business is 70 per cent. Summer furniture and Christmas sales are 10 per cent.

"Sales were about 10 per cent over 1954 for the nine months ending September 30. September this year was 20 per cent over last year, and then came the flood. Heavy rain at least once a week ruined week-end business for October and November.

"People are shopping, but want and buy the best. Our customers are buying medium to large plants. They do not want to wait for plants to grow. About 99 per cent of our nursery stock is sold balled and burlapped, and few sales are under \$4.95.

"We advertise nine months of the year, most heavily during March, April, May, June, September and December. I do not approve of after-season sales, which cause people to wait for offerings of what may be lower-quality stock."

Concentration on Plants

The concentration is on plants at the Farr Nursery Co. garden shop, declares H. G. Seyler, Womelsdorf, Pa., who describes the past season as follows:

"Because of the worst hot and dry spell since 1888, we have occasionally referred to 1955 as a year we could have done without. The frequent rains of October and November, interfering with our landscape operations, have not eliminated the reference.

"At least we were not washed out by hurricanes, and our annual sales will be ahead of any previous year. But so will costs, including losses

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Tips for Better Landscape

Decorative Evergreens

By Clarence E. Lewis

Long Island Agricultural and Technical Institute, Farmingdale, N. Y.

Evergreens are integral parts of the landscape; it would be a drab winter without them. There is nothing that takes their place on the home ground, in the local park, along the parkway or roadside, as a permanent screen or at Christmas time. Narrow-leaved evergreens provide a wider selection than the broad-leaved forms for those who plant in the frigid zones and the northerly states across the nation, and the list is not too bad to select from in almost any state.

Let us consider one variety and two species and their varieties, none of which are grown or used in sufficient numbers. They come to mind at this time because they are excellent for decorating the interior of the home during the Christmas season.

From Japan has come a good, usable landscape tree in the form of Japanese white pine, *Pinus parviflora*, and its blue variety, *P. parviflora glauca*. In Japan this pine is found in steep, rocky country, but is best known as a dwarfed evergreen or one that has been trained into different forms. The dwarfing is created by grafting it on Japanese black pine. This tree was introduced to cultivation nearly 100 years ago, but still is not so well known by the average gardener as it should be.

One who is looking for a sym-

metrical tree of perfect pyramidal form should not consider the Japanese white pine, but if he wishes a pine with an irregular outline, this is the tree. Illustration A shows the blue variety of the tree as it grows without the close competition of surrounding trees.

There is a tendency for this 5-needle type to have a rather broad form, with a distinct horizontal branching habit as the plant approaches an age of 20 to 25 years. One side of the tree does not usually retain the same number of branches as its opposite side, which is desirable from the viewpoint of the individual who is looking for something different in landscaping. Often the small branchlets from the spreading side branches are not evenly distributed, but appear clustered here and there to detract from any resemblance of symmetry. The leaves are sometimes bowed or curved on these clustered branchlets and appear brushlike.

The cones are unique, prolific and decorative, as one may judge from illustration B. The edge of each cone scale is light gray, which blends well with the darker gray to brown interior of each scale and cone. A branch of this pine makes an interesting Christmas decoration for the home. The short leaves, about two to three inches long, are often

twisted, as shown in illustration B, and blend well with the soft tones of the cones.

Just where does a tree of this form fit into the landscape? It could make a pleasing addition to a terrace. With its distinct horizontal habit, it is ideal for such a location, because chairs, benches or a table could be placed beneath the branches, out of the sun. Fireplaces or portable barbecues should, of course, be kept at a safe distance, if one wishes to preserve the tree. It is doubtful that the roots will survive for many years under concrete, blacktop or any other materials that have little or no porosity. Certainly, treated wood rounds, bricks or flagstones set in sand cause no difficulty.

Where a horizontal tree is needed in the foreground of a large building to give greater psychological depth to the building, the Japanese white pine is a good selection. The irregular habit is not forceful enough to retain the attention of the onlooker, but holds it and then lets it drift on to the main point of interest, the building.

It is no problem to grow many types of plants beneath the branches, because the root system is not highly competitive. Common sense, of course, must be used in selecting shrubs for such a location, to prevent a hodgepodge result.

Pinus Parviflora

Pinus parviflora is at home on a hillside where its spreading branches arch over the area below, seemingly to protect it. Odd and dwarf forms, too, can be created by those who wield a trained knife or pair of pruning shears. These results need not be grotesque or too Oriental in appearance, if done rightly.

This is not a tall tree; it usually



Illustration A—A lateral branching habit and irregular form mark the blue variety of the Japanese white pine.



Illustration B—The soft-toned, decorative cones of *Pinus parviflora glauca* are appropriate for Christmas decorating.



Illustration C—A well developed specimen of the Atlas cedar, *Cedrus atlantica*, can scarcely be exceeded in majesty.



Illustration D—The blue Atlas cedar has a more informal appearance than its species and is usually slower growing.



Illustration E—The seed-bearing cones of the Atlas cedar are unique and possess a high decorative quality.



Illustration F—The pollen-bearing cone-like flowers of the Atlas cedar produce tremendous quantities of pollen.

reaches a maximum height of about 50 feet after many years, but it may spread its branches almost as much. It does not look flattened, however, as do some trees with an extreme spread, because of the irregular lengths of the side branches.

There is a blue variety, *Pinus parviflora glauca*, that possesses much the same growth characteristics as the species, except for the bluish cast to the needles. This one is usually slower growing than the green form, but not so blue that it is difficult to use. The tree is a spreading narrow-leaved evergreen suitable for the front lawn or the rear terrace of the small home grounds. The tree in illustration A is the blue variety and is only 15 to 18 feet high, but is at least 25 years old. The spread in this case is greater than the height by about three feet.

Atlas Cedar

Another narrow-leaved evergreen that comes to mind when thinking of decorating for Christmas is the Atlas cedar, *Cedrus atlantica*. Its blue variety, *C. atlantica glauca*, is just as usable. One Christmas I remember seeing a branch of this cedar, with a few pine cones attached, in an appropriate container at a friend's home. The display attracted the attention of all visitors. Its lasting qualities indoors surprise and please.

The mature specimen in illustration C is a fine example of *Cedrus atlantica*, while illustration D shows an equally good specimen of the blue variety, *Cedrus atlantica glauca*. This is a case where the variety is more commonly grown and used than the species. You will notice in the illustrations that the two trees have different forms, a condition that is usually true.

The Atlas cedar is not so well suited for planting around the small home as the blue form, because it grows to greater proportions. Nevertheless, it is a unique tree for use with public buildings or homes that are on fair-size plots. It is desirable because, although of a definite symmetry, it does not seem stiff and formal. The seed-bearing cones in illustration E are not only unusual, but always encourage observers to make prolonged careful inspections. They last for years when brought indoors to decorate a hallway or some other part of the home. Such cones require from two to three years to mature and in some cases never really open after being harvested.

The staminate flowers (pollen bearing), shown in illustration F, look like miniature cones. If one gives the branch that holds them a brisk shake, he will be amazed at the amount of pollen that will fill the air. Anyone who is highly allergic to pollen should leave this subject alone, because this tree really produces pollen.

Other Cedars

There are three other species of cedars, only two of which are grown commercially. Cedar of Lebanon, *Cedrus libani*, and Deodar cedar, *Cedrus deodara*, are both well known to horticulturists. The third, *Cedrus brevifolia*, has little or no value to the landscape man and is doubtfully listed in any nurseryman's catalog.

The true cedars are from the ages that preceded ours, as is evidenced by the fossil remains that have been found in sections of England. Cedar forests were probably more or less continuous throughout the Mediterranean area and east into the Himalayas. Conceivably, the species we

have today originated from one *cedrus*. Undoubtedly the men in World War II who were fighting in the Atlas mountain region of northern Africa frequently sought refuge beneath their branches. The small, isolated *cedrus* forests of today are all that remain of the vast forests that clothed the Mediterranean region.

The blue form is of smaller stature than the species, but its branching is not so regulated. Because of this, the tree is better adapted to the home landscape. There are plantings in some communities that show a predominant use of the blue Atlas cedar. It is usually better adapted to most plantings than the blue forms of Colorado spruce. Just why is this statement made? The shapes of spruce are of definite forms, so precise that they attract and hold attention. Thus they do not appear to be

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Illustration G—The pyramidal cone of the eastern white pine, *Pinus strobus fastigiata*, is adaptable to many plantings because of its narrow outline.

Animal Pest Control Prevents Winter Damage

As the winter grows colder and wild plants become covered by layers of snow and ice and the frozen ground itself, when reached, is too hard to dig, it can be expected that small wild animals will search for more readily available food. It is important to begin now to take steps which will guard nursery stock against this seasonal danger. The hazard increases as the winter progresses.

The amount of damage from rabbits can be expected to correspond to the comparative density of the rabbit population which infests the nursery and the land which surrounds it. At times, of course, certain choice varieties of stock will be singled out and severe inroads made by only a small number of rabbits. The number of rabbits in a particular area at one time depends on a series of factors which usually result in rabbits being plentiful for a period and then comparatively scarce for the next. Therefore it is especially important to keep a good watch at just the time when one would normally be likely to let down his guard, that is, at those times when rabbits have been scarce for a while. However, precautions should not be neglected even when there have been a great many rabbits around for a year or more, since any particular case may be an exception, and the result of neglect could be severe damage.

Rabbit Control

Shotguns and traps are the most effective instruments to use against an influx of rabbits. As many of each as possible must be put into action as early as possible. The local game conservation officer can be contacted and his permission obtained, if possible, for an attack on the pests before the official open season. The game officer may also be able to help by alerting local sportsmen to the concentration of rabbits in the area of the nursery.

Traps are slower, in their results, but effective. In some towns and cities the use of firearms is prohibited by law, and trapping is in these cases the only legal way of reducing the infestation. Boys in the neighborhood can be encouraged to set traps for rabbits. Figure-four traps have been successful.

New and more effective repellents are being developed every year,

mainly through research work of biologists in the United States fish and wildlife service, and there are several effective commercial materials.

Trinitrobenzene-aniline complex, with acetone as the diluent, is contained in a new material that is markedly repellent in taste to rabbits. Most of these substances are applied to the bark of trees by painting or spraying.

Field Mice

Field mice, which also become troublesome at this time, vary in population from year to year in the same type of recurrent highs and lows as with rabbits. If heavy ground cover has been cleared away, vegetation is well spaced and the soil is cultivated, there is practically no danger from the mice, since their instinct appears to be not to stay in a place without protective cover. Poison can be used first, where the ground cover will later be eliminated. If dense vegetation is desired, intensive baiting should be carried through at this time and again later to catch new mice if any have moved in from surrounding areas.

Zinc phosphide rodenticide on apples, or strychnine-treated oats can be placed as bait, under matted grass where traces of mouse paths can be found, for quick results. Further information on baits or ready-mixed material for field mouse control can be obtained either from the local county agricultural agent or the fish and wildlife service, United States Department of the Interior, Washington 25, D.C.

Rats

To drive rats away in the cold weather, according to the U. S. D. A., ratproof buildings and remove trash piles and other sources of shelter and food. If deprived of warmth and food at the onset of cold weather, rats may leave in search of places where better pickings are available.

The surest way to get rid of rats is to kill them. There are many poisons which will do the job. Two, which rats will swallow readily and which in addition are comparatively safe and easy to handle, are called warfarin and pival. They come in prepared baits or powdered, to be mixed with yellow corn meal or equal parts of yellow corn meal and

rolled oats, one part poison to 19 parts bait, with up to 5 per cent sugar optional for flavor. The poison must be eaten by rats for several days in succession before it will take effect, and during this time other forage should be placed out of range of the rats if it all possible.

These chemicals, though comparatively safe, are poisonous substances and should be laid and kept in bulk in places which are inaccessible to children and domestic animals. Large quantities of the poisons swallowed over a prolonged period of time produce internal bleeding and death. Bait can be placed on the floor safely behind a 1x8-inch or a 1x10-inch board, about six feet in length, with the 6-foot top edge leaning against a wall and fastened securely in place. The bait trays should be placed in the tunnel where they cannot easily be reached by anything larger than rats entering from either end of the board.

Moles

Trapping is the best way to dispose of moles which have already attacked an area. Mole-catching dogs do more damage than the moles themselves.

First step in trapping the moles is to mash down all tunnels and mark the ones the moles push up again. Then pick spots where the moles have shown themselves to be most active, mash the tunnel again and place the trap over the mashed part in such a way that no part of the trap will show in an open runway, where the moles will detect and avoid it, but will cover only the mashed section, which the moles will try to dig out in repairing the tunnel.

Once the area is cleared of moles, or for protection against the initial tunneling, clear the ground of their food supply by using an insecticide, such as a half pound of 50 per cent chlordane to 1,000 square feet of ground area, applied dry or sprayed on. It should be applied evenly, just before a rain, or washed in by sprinkling with a hose. Chlordane acts quickly and lasts for several years.

Deer

An outrigger electric fence or an 8 or 9-foot wire mesh fence will keep out deer, or repellents may be used. Power sprayers may be used to apply these repellents, but hand sprayers, such as knapsack sprayers, may be more economical of material. Under winter conditions, it may not be possible to use power equipment. In applying the sprays it is only necessary to coat the twigs to a height of

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Operating a Garden Center

Chapter 2. The Salesroom and Lath House

By John J. Pinney

Up to now we have considered the location of your garden center and the various features that you wish to incorporate in it, as well as the relation of these parts to each other. Now it will be desirable to plan each part in detail. Since I have already given detailed consideration to the parking lot, I shall pass that and take up the salesroom.

The salesroom, as defined previously, is the all-weather structure that houses the cash register and is the place where your customer will expect to find a salesman to help him. It is also the building in which the so-called dry lines, such as fertilizers, insecticides, fungicides, seeds, bulbs, hand tools and garden hose, are housed. Sometimes these items are called nonperishables, or accessories, but all need protection from the weather.

Conference Space

The salesroom also provides a spot where you can talk to your customer in comfort in any kind of weather. If you and your customer have to stand out in the open in the chilly weather of early spring or late fall you may have a hard time to close a deal. Of course, these conferences could be held in your office, but the salesroom is more important than the office, because if necessary you can also use it for an office. The salesroom gives you an opportunity to stay open the year around—a growing trend in the business even in the north. This trend will be discussed later.

For reasons already stated, make your salesroom easy to get into from the parking lot. The structure does not have to be right up against the parking lot so long as the way to it and into it is obvious. In fact, some of the most successful garden centers are planned so that the customer has to go through part of the lath house or outdoor sales areas before reaching the salesroom. In this way he is exposed to some of your merchandise while he is looking for you or a salesman. This same sort of planning is found in stores where the cash register is placed in the rear of the building, making it necessary for the customer to pass by most of the merchandise before paying for purchases.

You may be thinking of hiring an architect to plan your buildings.

No doubt a good architect can save you money on building costs and help you avoid costly construction errors, but, unless you are planning a large or expensive structure, the fees of an architect may not be justified. There are plenty of examples of remarkably attractive garden centers, planned by architects, some of which are just as remarkable for their poor arrangement and inconvenience.

Architects cannot be expected to know much about garden centers, because they are a comparatively new development and not a very fertile field for the profession. If you plan to hire an architect, you should work out the details of the arrangement that you desire before calling him in to plan the construction details. It is more important to have a garden center that is practical and convenient than one which is outstanding architecturally, although beauty is no handicap.

Elaborate and expensive garden center buildings are neither essential nor desirable unless you plan to cater to a wealthy clientele. Many customers would be repelled by obviously costly buildings. They naturally get the feeling that because the buildings are expensive the merchandise is expensive too. You probably have had the same experience yourself at some time or other.

Salesroom Size

The size of your salesroom will depend upon how you plan to use it. You will need room enough to display the dry lines that you plan to carry. Perhaps you will want space in it for your office, whether it includes only a desk in the corner or presents a separate room. Sometimes space is provided in this building for storing merchandise for which there is no display room, but that should be considered carefully, because sales space is far more valuable to you than storage space. Always keep in mind that the primary purpose of your whole setup is to make sales and plan the design accordingly. You are more likely to make your indoor salesroom too small rather than too large. That is one reason why it should be placed so you can add to it if it becomes desirable.

If the property that you acquire for your garden center already has

on it one or more buildings, study them critically to see if they can be remodeled to suit your needs. This probably would cost you much less than erecting new buildings, and the results could be highly satisfactory. In fact, there are many instances where this has already been done with such structures as barns, large sheds, chicken hatcheries and even old houses. In some cases, when the adaptation was done skillfully and with imagination, the results have been very pleasing.

Rectangular Building Best

A rectangular building can be planned for practical use better than a square one and probably can be built more cheaply. Put your main entrance in a conspicuous and convenient place, but it does not have to be right in the middle of the front wall. In fact, it is possible that it might be better to have the entrance at one end of the building. The front can be your show window; so it might be more effective if left unbroken by doors. If you can afford it, make the front entirely of glass, to provide plenty of light, present a more inviting appearance and make an ideal space for displays.

Plan the arrangement of your salesroom carefully. The most economical use of floor space is accomplished by having displays against the walls, with island displays in the center. If your aisles are against the walls, you will have much less space. You can figure this out easily if you make a rough sketch on paper. Keep the center or island displays low, in order not to obstruct the view across the store.

Sales Vista

Because your most important merchandise, consisting of trees, shrubs and plants, is outside the building in an adjoining open sales area or lath house, try to make your salesroom appear to be an integral part of these areas. This can be accomplished effectively by plentiful use of glass in the walls of the salesroom. Plan for large, low windows in the walls that face the outdoor sales area. Then the customer, standing in the salesroom, can look out onto these areas and feel the invitation to visit them.

Even in bad weather the customer can often select what he wants by

looking out onto the salesyard, just as he would if he were looking into the show window of a department store. A customer who comes to your store to buy a can of insecticide or a dozen flower bulbs may, upon looking out the window onto the salesyard, see a shade tree or evergreen that he would like to have and, as a result, you will have a much larger sale. Large windows in the wall do not necessarily reduce the available display area inside. You can build display tables under the windows and use the space beneath the tables for storage. In place of tables you could erect stair-step shelving to provide even more display space.

Now I should like to turn your attention to that part of the garden center where most of the nursery stock will be found. You can display nursery stock in inexpensive outdoor beds or you can decide to display it in a lath house. So there will be no misunderstanding, I should explain what I mean by a lath house. A more accurate term, perhaps, is shade house. This is an open, shedlike structure which does not have a solid rainproof roof, but has, instead, a flat covering consisting of lath or slats placed an inch or more apart to afford partial shade. Sometimes the sides are covered with slats too, but quite often lath houses have one or more sides completely open.

Lath houses are by no means a new invention. They were used 50 or 75 years ago, and possibly before that, to protect growing nursery stock from some wind and weather. Their use to cover sales areas is a much more recent development. Some nurserymen believe that lath houses are an essential part of the garden center; others hold that they

are an unnecessary expense. I shall set forth some of the pros and cons and you can decide for yourself.

Lath House Pros and Cons

Lath houses, say the proponents, protect the plants from sun and wind and prevent rapid drying out; therefore, the plants require less care. Plants displayed in partial shade present a more attractive appearance. Customers can shop in greater comfort when protected from sun and wind. The selling season is extended by the creation of the milder climate.

Those who consider lath houses unnecessary say that all plants do not require the same amount of shade and many are better off without any shade. Plants that are carried through the growing season in lath houses make a thin, spindly growth trying to reach the light. Lath houses easily fall into disrepair and become unsightly.

Let us suppose that you have decided in favor of a lath house. How will you go about building it? A common method of construction is to make the uprights of creosoted poles 12 or 14 feet long and not less than three or four inches in diameter at the top. Nearly every lumberyard carries them in stock. Set them two to three feet in the ground. They can be made uniform in height by sawing the necessary amount off the tops. Do not make the mistake of having the lath house too low. Eight feet should be minimum, nine feet is better and nine and a half feet still better. The higher houses are not only cooler but provide more headroom for tall shade trees and evergreens. Furthermore, their roominess is more inviting to the customer.

The posts can be placed either

10 or 12 feet apart each way. The stringers between poles should not be less than 1x6 inches. Fasten these stringers to the poles with bolts or heavy spikes. Use Y braces between poles and stringers to prevent sagging and listing, as shown in the accompanying diagram. Across the stringers lay 2x4-inch timbers on edge, four feet apart from center to center, and toenail them to the stringers.

For shade you can use slats 1x3 inches or 1x4 inches, placed 3 or 4 inches apart, depending upon how dense you want the shade. A much commoner practice is to use cribbing, or snow fencing, which consists of 4-foot laths fastened together with two strands of wire twisted around each lath at each end. This material usually comes in 50-foot rolls and is painted red or green. The necessity of tacking each lath in place is eliminated by the use of snow fencing. It should be tacked to the 2x4-inch lumber at intervals to hold it in place.

Several kinds of snow fencing are now being manufactured. Some give 50 per cent shade; others provide still more shade by having the laths closer together. There is no fixed rule to follow in deciding what degree of shade to have in your lath house. In general, the lower the humidity and the higher the temperature the greater the degree of shade you will need. Some garden centers are now equipped with several degrees of shade to take care of different kinds of plants whose shade requirements vary.

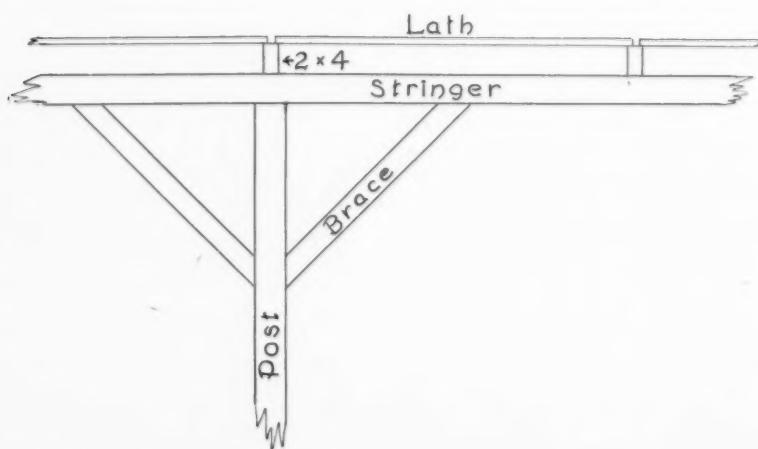
Run Slats North and South

Your shade house should be constructed in such a way that when completed the laths or slats on the top will run north and south. Then the shade will keep moving as the sun passes overhead and you will have even distribution of shade over the plants all day. If the laths run east and west, the shade will shift very little from morning to night.

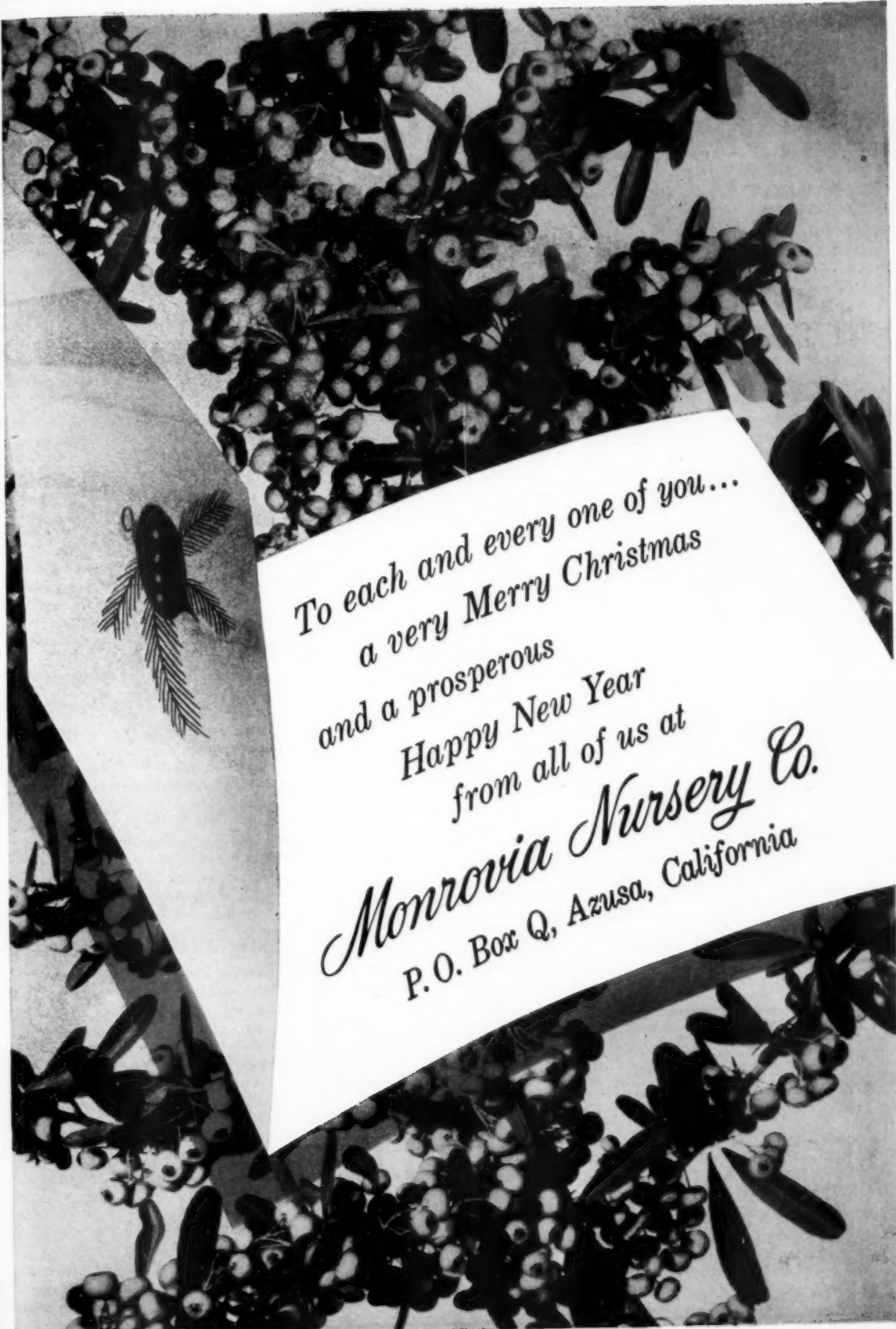
In sections of the country where there is a great deal of wind or where temperatures are extremely high, it is a common practice to have shade on one or more sides of the house. Sometimes when the shade house is used to carry nursery stock over the winter it is shaded on all sides.

Secondhand steel pipe makes a good substitute for wooden poles in constructing lath houses. The pipe should be at least two and a half inches in diameter, and it must be stood in concrete to have proper footing. The stringers can be fas-

[Concluded on page 38]



Detail of Constructing Lath House Support, Showing Post and Bracing System



To each and every one of you...
a very Merry Christmas

and a prosperous
Happy New Year
from all of us at

Monrovia Nursery Co.
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Cotoneaster Horizontalis
Elaeagnus Fruitlandi
Elaeagnus Simoni
Euonymus Coloratus
Euonymus Fortunei Erectus
(small leaf)
Euonymus Patens
Gardenia Fortunei
Ilex Cornuta Burfordi
Ilex Cornuta Femina
Ilex Crenata Convexa
Ilex Crenata Rotundifolia
Ilex Opaca East Palatka
(heavily sheared)
Ilex Vomitoria
(well sheared)
Pride of Houston
Jasminum floridum
Laurel Cherry
(well sheared)
Ligustrum Lucidum
(Black Wax)
Ligustrum Lucidum
(Griffing type)
Ligustrum Lucidum Nanum
Loropetalum Texanum
Magnolia Glauca
Magnolia Grandiflora
Magnolia Soulangeana
Magnolia Soulangeana Nigra
Nandina Domestica
Photinia Serrulata

CONIFERS

Arborvitae, Or. Baker
Arborvitae, Or. Berckmans
(Aurea Nana)
Arborvitae, Or. Blue Cone
(very compact)
Arborvitae, Or. Bonita
Arborvitae, Or. Bonita Golden
Arborvitae, Or. Excelsa
Arborvitae, Or. Fruitland
(Green Berckmans)

CONIFERS, cont.

Arborvitae, Or. Newark
Arborvitae, Occ. Globosa
Arborvitae, Occ. Nigra
(Dark Green)
Arborvitae, Occ. Pyramidalis
Cedrus Deodara
Juniper, Andorra
Juniperus Excelsa Stricta
Juniperus Fastigiata
Juniperus Glauca Hetzi
Juniperus Glauca Hetzi
(staked and sheared)
Juniperus Hibernica
(Irish)
Juniperus Pfitzeriana
Juniperus Pfitzeriana Aurea
Juniperus Pfitzeriana Compacta
Juniperus Sabina
Juniperus Sabina Vonehron
Juniperus Sabina Vonehron
(staked and sheared)
Juniperus Scopulorum
Juniperus Sylvestris
(Chinensis Femina)
Juniperus Virginiana Burki
Juniperus Virginiana Canaerti
Juniperus Virginiana Dundee
Juniperus Virginiana Glauca
Pinus Mughus
Pinus Nigra
(Austrian Pine)
Pinus Sylvestris
(Scotch Pine)

CANNED STOCK

Abelia Grandiflora
Gardenia Fortunei
Gardenia Mystery
Ilex Burfordi
Ilex Convexa
Ilex Helleri
Ilex Rotundifolia
Magnolia Grandiflora
Pyracantha Formosana
(light)
Pyracantha Lalandi
(light)
Crape Myrtle

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NORTH JERSEY PROGRAM

November 17, the North Jersey Metropolitan Nurserymen's Association held a regular meeting at the Peacock House, Mountain View, N. J.

The meeting was well attended, and the main topic of discussion was the possibilities of getting more young men interested in the nursery business. Dr. W. E. Snyder, of Rutgers University, was a guest and gave some valuable information on the advantages and disadvantages of a 2-year course in horticulture at Rutgers.

Charles Hess brought up the possibility of establishing a fellowship at Rutgers and having a graduate student work on nursery problems. This proposal was accepted with much interest, and the president appointed Roy Blair, William Hallicy and Ernest Conklin as a committee to cooperate with the New Jersey Association of Nurserymen and to raise as much money as possible from the North Jersey membership for this project.

Several members pledged money for the fund, and the executive committee was instructed to recommend how much could be pledged from the treasury of the association toward the fellowship.

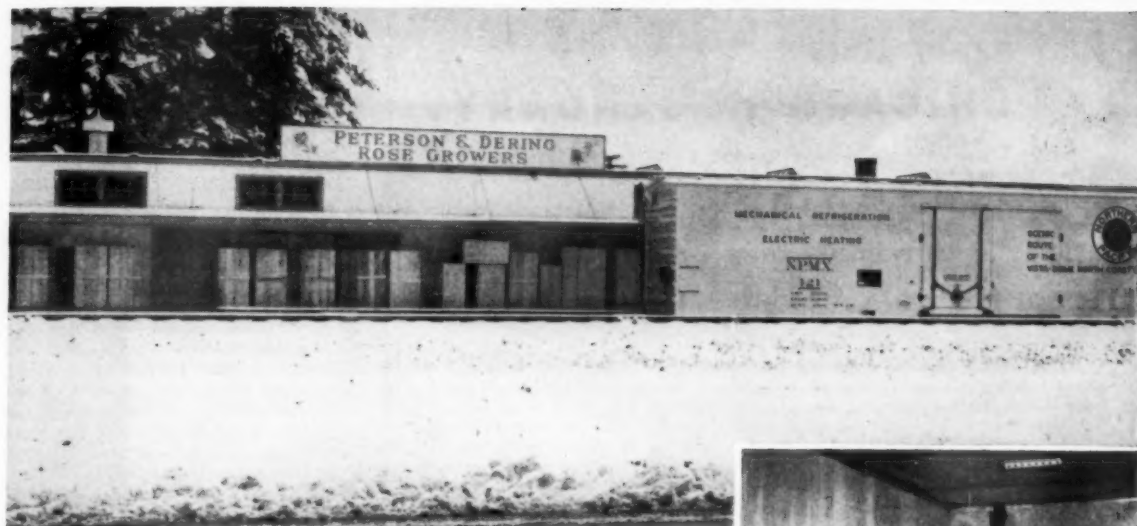
The meeting was then turned over to the speaker of the evening, Charles E. Hess, Jr., of Cornell University, Ithaca, N. Y., who showed colored slides of his trip through Europe. These slides provided an interesting tour of gardens of England, Belgium and Holland. Many interesting points on how the Dutch nurserymen work and maintain their nurseries were given. After the slides were shown and all questions answered, the group was served supper.

Edward S. Wyckoff, Sec'y.

TOWSON CONSOLIDATION

Towson Nurseries, Inc., one of the largest nursery firms on the east coast, will consolidate its operations the first of next year when it moves its office and display gardens from Towson, Md., to Cockeysville, Md. C. Warner Price, president of the firm, believes the long-contemplated move will make possible a more efficient operation and provide customers with better service.

The company was founded at Towson 37 years ago, but from its inception had maintained planting acreage at its Clear Spring and Kenilworth divisions at Cockeysville. Over the years, the separate tracts merged and continued to expand until today they encompass more than 500 acres.



Pool shipment is loaded directly from cold storage room into new "reefer" car at our siding

Here's Why **P & D** Roses Arrive *Safely* Through Winter Cold

*New Mechanical Refrigerator Cars Maintain
Constant, Safe Temperature for Entire Trip*

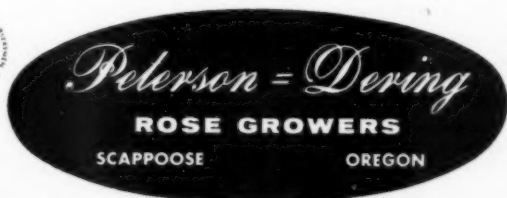
This innovation in transcontinental shipping is another new Peterson & Dering service assuring safe delivery of Oregon's finest roses to any point in the nation.

ORDER NOW for EARLY POOL CAR DELIVERY

Orders now being booked for pool car shipments to eastern points.

EASTERN NURSERYMEN: Contact Frank C. Donovan
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Build a better rose business with P&D Roses



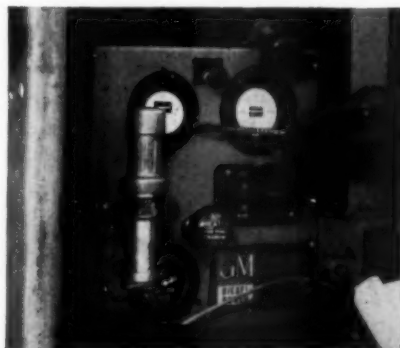
Oregon's Best Source of Good Roses . . . the Finest Anywhere



Twin liquidometers register temperature at top and bottom of the car.



Inside temperatures are checked by inspectors enroute to destination.



Diesel power unit in car provides necessary heat or cold from 70° to -10°.

And again it is CHICAGO IN JANUARY!

For the largest gathering of nurserymen that will be brought together by any of the winter meetings.

It will pay you to be there and it will also pay you to make your hotel reservations NOW. Indications are that our 1956 convention will again be the "largest ever."

Of all months, January is the heaviest convention month in Chicago, and hotel men advise us that the situation will be tight and early reservations necessary. Write now for your reservations to the Hotel LaSalle, LaSalle and Madison Sts., Chicago 2, Ill., and be sure to mention the nurserymen's meetings.

The change in meeting dates last year to Monday, Tuesday and Wednesday, rather than a day later in the week worked out so satisfactorily that we will again open our meetings on Monday. The dates for the 1956 convention being January 16-17-18, 1956, with meetings of allied associations, including the National Landscape Nurserymen's Association, on Sunday, January 15. The meeting of the Board of Directors of the American Association of Nurserymen will follow our meetings on January 19 and 20. The registration desk will be open on Sunday, January 15.

Meeting Dates:

**ILLINOIS STATE NURSERYMEN'S ASSOCIATION,
ANNUAL CONVENTION**
January 16-17-18, 1956

**AMERICAN ASSOCIATION OF NURSERYMEN,
BOARD OF DIRECTORS**
January 19-20, 1956

**NATIONAL LANDSCAPE NURSERYMEN'S ASSOCIATION,
MIDWINTER CONFERENCE**
January 15, 1956

Closed meetings of a number of allied national nurserymen's associations will also be held over the week-end.

ILLINOIS STATE NURSERYMEN'S ASSOCIATION

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	Per 100 Prepaid	Per 1000 F.O.B. here	Per 1000 for 10,000 or more in same shipment
Strong, well-rooted, 1-yr. plants; propagated in soil frames	\$4.25	\$38.50	\$36.50
2 to 3-yr., field plants	6.00	55.00	50.00

All available for immediate shipment March through December. Shipments anywhere, including Canada. Good packing free. You can order this stock for spring shipment also.

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COMING EVENTS

MEETING CALENDAR

December 15 to 17, Plant Propagators' Society, annual meeting, Wade Park Manor hotel, Cleveland, O.

December 28, Connecticut Nurserymen's Association, annual meeting, Waverly Inn, Cheshire, Conn.

January 3 and 4, Western Association of Nurserymen, annual convention, Hotel Muehlebach, Kansas City, Mo.

January 4 to 6, Eastern Nurserymen's Association, annual meeting, Hotel Roosevelt, New York.

January 5 and 6, Michigan Landscape Conference, Kellogg Center, Michigan State University, East Lansing, Mich.

January 5 and 6, Oklahoma State Nurserymen's Association, annual convention, Mayo hotel, Tulsa, Okla.

January 8 to 10, North Carolina Association of Nurserymen, short course, Student Union building, North Carolina State College, Raleigh, N. C.

January 9 to 11, Indiana Arborists' Association, winter meeting, Purdue Memorial Union, West Lafayette, Ind.

January 9 to 20, annual Virginia nurserymen's short course, sponsored by department of horticulture, Virginia Polytechnic Institute, Blacksburg, Va.

January 11, Iowa landscape nurserymen's conference, Iowa State College, Ames, Ia.

January 11, Maryland Nurserymen's Association, annual meeting, Southern hotel, Baltimore, Md.

January 11 to 13, Indiana Association of Nurserymen, winter meeting, Purdue Memorial Union, West Lafayette, Ind.

January 12 to 14, Iowa Nurserymen's Association, winter meeting, Kirkwood hotel, Des Moines, Ia.

January 15, National Landscape Nurserymen's Association, winter meeting, Hotel LaSalle, Chicago.

January 15, All-America Rose Selections, winter meeting, Hotel La Salle, Chicago.

January 16 and 17, New York State Arborists' Association, annual arborists' school, in cooperation with the college of forestry of the State University of New York, Syracuse, and the college of agriculture at Cornell University, Ithaca, Hotel Onondaga, Syracuse, N. Y.

January 16 to 18, Idaho Nurserymen's Association, garden school and meeting, Crystal ballroom, Hotel Boise, Boise, Ida.

January 16 to 18, Illinois State Nurserymen's Association, annual convention, Hotel LaSalle, Chicago, Ill.

January 16 to 18, Ohio State University's annual short course for arborists, landscape gardeners and nurserymen, Ohio State University, Columbus, O.

January 17, National Mail Order Nurserymen's Association, winter meeting, Hotel LaSalle, Chicago.

January 18 to 20, Ohio Nurserymen's Association, winter meeting, Neil House, Columbus, O.

January 22 to 24, Virginia Nurserymen's Association, 25th annual convention, Hotel John Marshall, Richmond, Va.

January 23 and 24, Washington State Nurserymen's Association, winter convention, Benjamin Franklin hotel, Seattle, Wash.

January 24 and 25, Kentucky Nurserymen's Association, winter meeting, Lafayette hotel, Lexington, Ky.

January 24 and 25, 2-day school for nurserymen, Long Island agricultural and technical institute, Farmingdale, N. Y.

January 25 and 26, Connecticut Nurserymen's Association, short course, assembly hall, University of Connecticut college of agriculture, Storrs, Conn.

January 25 to 27, Canadian Association of Nurserymen, annual meeting, Sheraton Brock hotel, Niagara Falls, Ont., Canada.

January 25 to 27, Michigan Association of Nurserymen, annual convention, Fort Shelby hotel, Detroit, Mich.

January 26 to 27, second annual Kansas state shade tree conference, department of horticulture, Kansas State College, Manhattan, Kan.

January 26 and 27, New Jersey Association of Nurserymen, winter meeting, Chalfonte-Haddon Hall hotel, Atlantic City, N. J.

January 29 to 31, Southern Nurserymen's Association, winter trade meet, Hotel Biltmore, Atlanta, Ga.

February 1 and 2, Pennsylvania Nurserymen's Association, winter meeting, William Penn hotel, Pittsburgh, Pa.

February 5 to 7, Tennessee Nurserymen's Association, winter meeting, Hotel Claridge, Memphis, Tenn.

February 7, Kalamazoo Valley Landscape and Nurserymen's Association, midwinter educational meeting, Hotel Harris, Kalamazoo, Mich.

February 7 to 8, Oregon Association of Nurserymen, midwinter meeting, Multnomah hotel, Portland, Ore.

February 7 to 9, New England Nurserymen's Association, winter meeting, Hotel Kenmore, Boston, Mass.

February 22 to 24, midwestern chapter of the National Shade Tree Conference, Hotel La Salle, Chicago.

EASTERN CONVENTION

The convention of eastern nurserymen returns to the Hotel Roosevelt, New York city, January 4 to 6 for its annual meetings. This convention is under the auspices of region I of the American Association of Nurserymen, but offers a warm welcome to all nurserymen, whether A. A. N. members or not.

The meeting opens January 4 at 2:30 p. m., with George H. M. Lawrence, director of the Bailey Hortorium, Ithaca, N. Y., reporting on the international horticultural congress held in Europe last summer. Prof. Max E. Brunk, Cornell University, Ithaca, will then discuss the marketing of horticultural products. The annual reception will be held in the Grand ballroom at 6:30 p. m.

Thursday, January 5, the meeting opens at 10 a. m., with Eugene Muller, chairman, A. A. N. region I, presiding. Curtis Porterfield, A. A. N.

1956 Convention of Eastern Nurserymen HOTEL ROOSEVELT, NEW YORK CITY

JANUARY 4, 5 and 6, 1956

TRADING CENTER OF THE EAST

ALL NURSERYMEN WELCOME

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1956 Convention of Eastern Nurserymen
Rosedale Nurseries, Inc.
Eastview, N. Y.

OUTLINE OF PROGRAM:

January 4, 1956 (Wednesday)

REGION I, AMERICAN ASSOCIATION OF NURSERYMEN

Afternoon—Report on International Horticultural Congress—

G. H. M. Lawrence, Director, Bailey Hortorium, Ithaca, N. Y.

Marketing Horticultural Products—Prof. M. E. Brunk, New York State College of Agriculture.

Evening—Annual Reception and Party

January 5, 1956 (Thursday)

REGION I, AMERICAN ASSOCIATION OF NURSERYMEN

Morning—Vernon Marshall, President, A. A. N.

Richard M. Wyman, Jr.—Presentation of A. A. N. Film, "Landscape for Living"

Luncheon—Industrial Landscaping Awards—Speaker

Afternoon—Country Fair Forums

1. Estimating—Wm. Howe, Jr., Howe Nurseries, Princeton, N. J.

2. Advertising and Sales Methods—Jack Siebenthaler, The Siebenthaler Co., Dayton, O.

3. Nursery Management—Wm. Flemer III, Princeton Nurseries, Princeton, N. J.

4. Garden Shops—Wm. Cone, Trampusch & Cone, Bridgeport, Conn.

5. Bull Session—Bill Bond and Charles Mouquin.

Evening—Plant Forum—Discussion on *Plant Materials, Their Habits and Usages*, open to everyone.

January 6, 1956 (Friday)

Morning—Region I, A. A. N. Business Meeting

Valleau C. Curtis, Treasurer, Director, Region I, A. A. N.

Luncheon—Speaker—Hon. James Lyons, Assistant Commissioner of Agriculture, State of New York.

Afternoon—REGION I, NATIONAL LANDSCAPE NURSERYMEN'S ASSN.

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1 to 3 mm. in caliper, 8 to 10 ins. in height. \$10.00

3 to 4 mm. in caliper, 10 to 15 ins. in height. 15.00

4 to 6 mm. in caliper, 15 to 20 ins. in height. 25.00

3 to 8 mm. in caliper, 10 to 24 ins. in height. 22.50

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WESTERN ASSOCIATION OF NURSERYMEN

JANUARY 3 AND 4, 1956

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- Uses for Polyethylene in Plant Propagation
- Trends Toward Garden Centers
- Science and Everyday Propagation
- The new A. A. N. film, "Landscape for Living"

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 AT ONCE TO BE SURE OF RESERVATIONS



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 greetings to all our customers and friends.
 May your Christmas be a joyous one and the
 New Year be as happy and prosperous as your
 patronage has made ours.*



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 \$10.00 per 100
 \$75.00 per 1000

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administrative assistant, will report on Washington activities and introduce Ellis Meredith, newly appointed to the Washington staff. Vernon Marshall, president of the A. A. N., will bring the members up to date on association affairs. Richard M. Wyman, Jr., will present the new A. A. N. film, "Landscape for Living."

Luncheon will be served in the Grand ballroom at 12:30 p. m. and has, as its highlights, the awards for industrial landscaping and an after-luncheon speaker.

Forum

The program will resume at 2:30 o'clock, with a country fair forum. The ballroom where the meeting will be held is of sufficient size to permit having five different discussion groups at one time without disturbing one another. The subjects for discussion were carefully chosen for their universal appeal and value. Subjects and leaders are as follows:

Estimating—William Howe, Jr., Howe Nurseries, Pennington, N. J.

Advertising and sales methods—Jack Siebenthaler, the Siebenthaler Co., Dayton, O.

Nursery management—William Flemer III, Princeton Nurseries, Princeton, N. J.

Garden shops—William Cone, Trampusch & Cone, Bridgeport, Conn.

Bull session—Willard M. Bond, Wyman's Nurseryland, North Abington, Mass., and Charles Mouquin, E. H. Mouquin, Inc., Brookville, L. I., N. Y.

At the conclusion, a 5-minute summary of the discussion of each subject will be made to the meeting at large.

The plant forum, a discussion open to all those interested in plants, plant habits and their unusual uses, will be held Thursday evening, starting at 8 o'clock.

Friday, January 6, opens at 10 o'clock with a short regional business meeting and election of regional officers. After this, at 11 o'clock, the National Landscape Nurserymen's Association will open its sessions with a short business meeting.

A social period again precedes the luncheon at 12:30. Refreshments will be served in the exhibitors' area, with luncheon in the Grand ballroom. The luncheon speaker will be the Hon. James Lyons, assistant commissioner of agriculture for the state of New York.

Landscape Topics

The afternoon program is under the direction of Allan Dalsimer,

DECIDUOUS SEEDLINGS

for Spring, 1956

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	Per 100	Per 1000		Per 100	Per 1000
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3 to 4 ft.	\$ 4.00	\$ 35.00	3 to 4 ft.	\$ 5.50	\$ 50.00
2 to 3 ft.	3.00	25.00	2 to 3 ft.	4.00	35.00
ASH, GREEN			18 to 24 ins.	2.90	25.00
3 to 4 ft.	5.60	50.00	12 to 18 ins.	2.10	18.00
2 to 3 ft.	4.00	35.00	6 to 12 ins.	1.20	10.00
18 to 24 ins.	2.90	25.00	LOCUST, THORNLESS HONEY		
12 to 18 ins.	2.10	18.00	4 to 5 ft.	14.00	120.00
6 to 12 ins.	1.20	10.00	3 to 4 ft.	8.50	75.00
BOX ELDER			2 to 3 ft.	5.00	45.00
3 to 4 ft.	5.60	50.00	18 to 24 ins.	3.50	30.00
2 to 3 ft.	4.00	35.00	12 to 18 ins.	2.40	20.00
18 to 24 ins.	2.90	25.00	6 to 12 ins.	1.70	14.00
12 to 18 ins.	2.10	18.00	OAK, BUR		
6 to 12 ins.	1.20	10.00	2 to 3 ft.	15.00	....
CHERRY, WILD BLACK			18 to 24 ins.	12.00	100.00
2 to 3 ft.	5.50	50.00	12 to 18 ins.	8.50	75.00
18 to 24 ins.	4.00	35.00	9 to 12 ins.	6.50	55.00
12 to 18 ins.	3.00	25.00	OLIVE, RUSSIAN		
CARAGANA ARBORESCENS			3 to 4 ft.	10.00	90.00
3 to 4 ft.	9.00	80.00	2 to 3 ft.	7.50	65.00
2 to 3 ft.	6.00	55.00	18 to 24 ins.	5.00	45.00
CORNUS RACEMOSA			12 to 18 ins.	3.50	30.00
2 to 3 ft.	7.50	....	6 to 12 ins.	2.40	20.00
18 to 24 ins.	6.00	55.00	PRUNUS AMERICANA		
12 to 18 ins.	5.00	45.00	1/4-in. cal. and up	4.50	40.00
6 to 12 ins.	3.00	25.00	No. 1, 3/16 to 1/4-in. cal.	4.00	35.00
CORNUS STOLONIFERA			RIBES ODORATUM		
18 to 24 ins.	6.00	55.00	18 to 24 ins.	7.00	65.00
12 to 18 ins.	5.00	45.00	12 to 18 ins.	5.00	45.00
6 to 12 ins.	3.00	25.00	6 to 12 ins.	3.50	30.00
ELM, CHINESE			REDBUD		
5 to 6 ft.	19.00	160.00	12 to 18 ins.	6.50	60.00
4 to 5 ft.	12.00	100.00	6 to 12 ins.	4.50	40.00
3 to 4 ft.	7.50	65.00			
2 to 3 ft.	4.50	40.00			
18 to 24 ins.	2.90	25.00			
12 to 18 ins.	2.10	18.00			
HONEYSUCKLE					
18 to 24 ins.	11.00	100.00			
12 to 18 ins.	7.50	65.00			
6 to 12 ins.	5.60	50.00			

PLUMFIELD NURSERIES, INC.

P. O. Box 7

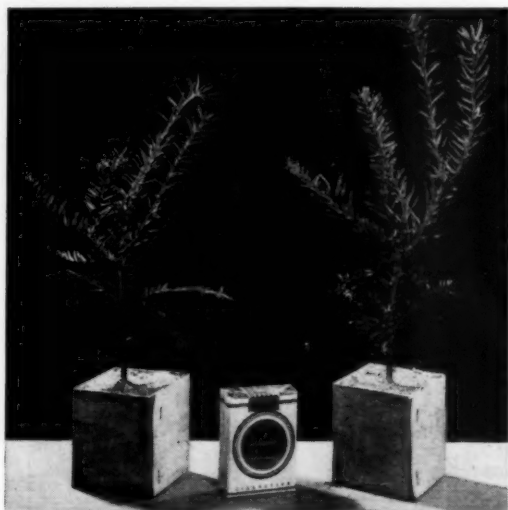
FREMONT, NEB.

YES . . .

We are proud to offer

HILL'S BANDED EVERGREEN LINERS

They don't just "live" — THEY GROW!



Spreading Japanese Yew

Grown two years in the big $2\frac{1}{2} \times 2\frac{1}{2} \times 3$ -in. plant band.

Want fewer skips in your nursery rows? Want more of your evergreen liners to GROW into the BIG DOLLAR specimen plants? Get HILL'S BANDED EVERGREEN LINERS! They come to you—packing free—**GROWING** in prepared, fertilized soil.

	Each per 100	Each per 1000
Hatfield Yew	42c	38c
Hicks' Yew	42c	38c
Intermedia Yew	40c	36c
Pfitzer Juniper	37c	33c
Pyramidal Arborvitae	35c	31c
Spreading Japanese Yew	40c	36c
Upright Japanese Yew	42c	38c

at HILL'S — NO CHARGE FOR PACKING

Write for complete list of varieties and sizes.

D. HILL NURSERY CO.

Evergreen Specialists—Largest Growers in America
Phone: HAZel 6-3451

DUNDEE, ILL.

Dalsimer, Inc., Cedarhurst, L. I., vice-president of the National Landscape Nurserymen's Association, and Louis Wissenbach, Squirrel Hill Nursery, Pittsburgh, Pa., executive committee, region 1, N. L. N. A.

An interesting program has been arranged on the following subjects: "Garden Lighting," "New Thoughts on Planting the Split Level Homes," "How Joe Doakes Does It" and "How Can a Landscape Nurseryman Tie In His Work with the Do-It-Yourself Program."

The committee handling the details for the convention are Eugene Muller, DeKalb Nurseries, Norristown, Pa., chairman; Albert Flemer, F & F Nurseries, Springfield, N. J., vice-chairman and in charge of program book advertising; Willard M. Bond, Wyman's Nurseryland, North Abington, Mass., entertainment; Charles Mouquin, president of the New York State Nurserymen's Association, trade exhibits, and Valteau C. Curtis, program.

The participating organizations sponsoring this annual meeting are, besides the A. A. N., N. L. N. A. and New England Nurserymen's Association, the individual state associations of Massachusetts, Connecticut, New Jersey, Pennsylvania, Rhode Island and New York.

PROPAGATORS' PROGRAM

The Plant Propagators' Society is scheduled to hold its fifth annual meeting at the Wade Park Manor hotel, Cleveland, O., December 15 to 17. Registration, however, will commence Wednesday, December 14, at 2 p. m. An executive committee meeting is also scheduled for Wednesday afternoon. The remainder of the program is planned as follows:

DECEMBER 15

Registration.

Welcome address by Past President Dr. L. C. Chadwick, Ohio State University, Columbus, O.

"Developing New Plants for Modern Gardens," by Dr. F. L. Skinner, Skinner's Nursery, Ltd., Dropmore, Man.

Luncheon.

Afternoon symposium, moderated by Robert P. Meahl, Pennsylvania State University, University Park, Pa.

"The Bolivar Pit Method of Rooting Softwood Cuttings" (F. L. O'Rourke, United States Department of Agriculture, point four program), presented by Robert P. Meahl.

Three additional speakers, to be announced.

Evening symposium. Speakers to be announced.

DECEMBER 16

Round-table discussion of plants and light; moderator, Dr. H. Borthwick, U. S. D. A., Beltsville, Md.

"Light and Plant Propagation," by Dr. H. Borthwick.

"Propagation of Chrysanthemums," by



BIRD PERENNIAL POTS

Tough as, or tougher than pots made of heavier material—Bird Perennial Pots have a hard coating, inside and out, that adds to their durability and resistance to handling hazards.

Solid stapled bottom—Bird Perennial Pots are constructed with a solid stapled bottom which prevents loss of plants in handling. This bottom is designed with openings to insure proper drainage.

Lower landed-cost—Most important, too, is the

freight factor which in some cases will equal the cost of the merchandise. Proximity to your source of supply will result in a substantial lower delivered cost. The Bird distributor in your area makes this lower landed-cost possible.

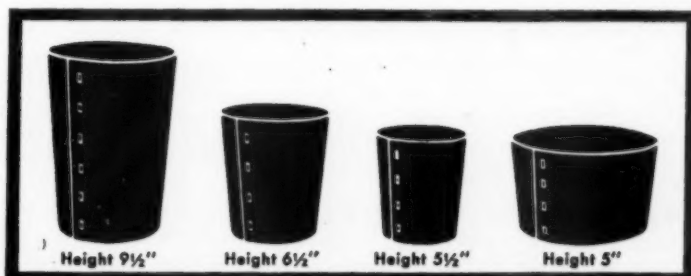
Longer selling season—Bird Perennial Pots lengthen your selling season, too, from three months to five months—plus giving you the opportunity to display your plants at the very peak of their bloom...a big merchandising advantage.

Ask your nearest distributor for detailed information and low delivered prices on this latest advance in nursery sales technique, or write us direct, Bird & Son, inc., Horticultural Dept. AN-12A, East Walpole, Mass.

BIRD



VITA-BANDS • TOM THUMB FLATS
VITA-POTS • RED POTS
PERENNIAL POTS • VITA-M POTS



BUNTINGS' STRAWBERRY PLANTS

For immediate or later delivery as desired.

Heat-treated planting stock, set in chemically treated soil; free from disease and insects.

Leading varieties, as designated by (*) below, will be supplied from indexed virus-free mother plants that were grown in our large screen house. The production of planting stock inside our screen house assures Buntings' customers of receiving plants that are substantially free of virus. Give your customers the best by making Buntings' your headquarters for your strawberry requirements!

STANDARD JUNE-BEARING

	25	50	100	250	500	1000
*Albritton	\$.55	\$1.00	\$1.60	\$3.25	\$ 6.00	\$11.00
Ambrosia Late	.50	.90	1.50	3.00	5.50	10.00
*Armora	.50	.90	1.50	3.00	5.50	10.00
*Bellmar	.50	.90	1.50	3.00	5.50	10.00
Big Joe	.50	.90	1.50	3.00	5.50	10.00
*Blakemore	.50	.90	1.50	3.00	5.50	10.00
*Catskill	.55	1.00	1.60	3.25	6.00	11.00
*Dixieland	.60	1.10	1.75	3.50	6.50	12.00
Dorsett	.50	.90	1.50	3.00	5.50	10.00
*Dunlap	.50	.90	1.50	3.00	5.50	10.00
Eden	.50	.90	1.50	3.00	5.50	10.00
Empire	.55	1.00	1.60	3.25	6.00	11.00
*Fairfax	.50	.90	1.50	3.00	5.50	10.00
Fairland	.50	.90	1.50	3.00	5.50	10.00
Fairpeak	.55	1.00	1.60	3.25	6.00	11.00
Florida No. 90	.50	.90	1.50	3.00	5.50	10.00
*Klondike	.50	.90	1.50	3.00	5.50	10.00
*Klonmore	.50	.90	1.50	3.00	5.50	10.00
*Massey	.55	1.00	1.60	3.25	6.00	11.00
*Midland	.55	1.00	1.60	3.25	6.00	11.00
*Missionary	.50	.90	1.50	3.00	5.50	10.00
Plentiful	.50	.90	1.50	3.00	5.50	10.00
*Pocahontas	.60	1.10	1.75	3.50	6.50	12.00
*Premier	.55	1.00	1.60	3.25	6.00	11.00
Red Crop	.50	.90	1.50	3.00	5.50	10.00
*Red Star	.55	1.00	1.60	3.25	6.00	11.00
*Robinson	.50	.90	1.50	3.00	5.50	10.00
*Sparkle	.50	.90	1.50	3.00	5.50	10.00
*Stelemaster	.55	1.00	1.60	3.25	6.00	11.00
Temple	.50	.90	1.50	3.00	5.50	10.00
*Tennessee Beauty	.50	.90	1.50	3.00	5.50	10.00
*Tennessee Shipper	.50	.90	1.50	3.00	5.50	10.00
*Vermilion	.50	.90	1.50	3.00	5.50	10.00
Wisconsin 214	.60	1.10	1.75	3.50	6.50	12.00
Wisconsin 261	.60	1.10	1.75	3.50	6.50	12.00

EVERBEARING VARIETIES

	.80	1.50	2.50	5.50	11.50	20.00
Gem	.80	1.50	2.50	5.50	11.50	20.00
Mastodon	.85	1.55	2.75	6.25	11.75	22.00
Streamliner	.85	1.55	2.75	6.25	11.75	22.00
Superfection	.80	1.50	2.50	5.50	11.50	20.00
Twentieth Century	1.50	2.50	3.75	8.75	16.00	30.00

Write for special prices on large numbers; free packing for cash with order.

BUNTINGS' NURSERIES, INC.

Box 3, Selbyville, Del.

QUALITY LINERS

	Per 100
Colorado Blue Spruce	\$15.00
4 to 8 ins., transplants	
Douglas Fir	15.00
4 to 8 ins., transplants	
Canadian Hemlock	20.00
4 to 8 ins., transplants	
Pink-flowering Dogwood	65.00
6 to 10 ins., 1-yr. grafts	
10 to 15 ins., 1-yr. grafts	75.00

Send for new Spring List.

POSSUM HOLLOW NURSERIES

6327 Magnolia St.
PHILADELPHIA 44, PA.

MYRICA PENSYLVANICA

1-yr. S., 4 to 8 ins.
\$4.00 per 100
\$35.00 per 1000

HESS' NURSERIES
MOUNTAIN VIEW, N. J.

BOULEVARD NURSERIES

Newport, R. I.

- Quality Nursery Stock
- Lining-Out Stock
- Root-Thru Plant Pots

Vernon Gifford, Yoder Bros., Inc., Barberton, O.

Luncheon.

Round-table discussion of malus propagation; moderator, Dr. D. S. Blair, central experiment farm, Ottawa, Ont.

"The Propagation of Malus Spp.—a Survey," by Dr. D. S. Blair.

"Malus from Leaf Bud Cuttings," by D. S. R. Nelson, central experimental farm, Ottawa, Ont.

"Malus Understocks from Seeds," author and speaker to be announced.

"Nursery Propagation of Malus by Budding and Grafting," by Robert C. Simpson, Simpson Orchard Co., Vincennes, Ind.

Plant propagation question box; moderator, Louis C. Vanderbrook, Vanderbrook Nurseries, Manchester, Conn.

DECEMBER 17

Discussion of propagation and production of canned nursery stock, with O. A. Matkin, Soil & Plant Laboratory, Orange, Calif., as moderator.

"Propagation and Production of Canned Nursery Stock in California," by O. A. Matkin.

"Research with Canned Nursery Stock in Ohio," by Philip Barker, Ohio State University, Columbus.

"Canned Trees in Texas," by John B. Roller, Verhalen Nursery Co., Scottsville, Tex.

"Canned Conifers in Illinois," by J. B. Hill, D. Hill Nursery Co., Dundee, Ill.

"Canned Shrubs in Massachusetts," by Clifford Corliss, Gloucester, Mass.

"Propagation of Asiatic Maples," by Roger G. Coggeshall, Arnold Arboretum, Jamaica Plain, Mass.

"Report on Mist Propagation," by Dr. J. P. Mahlstede, Iowa State College, Ames, Ia., chairman, with cooperators to be announced.

Annual business meeting.

Annual banquet.

"Horticultural Research in Europe," by Dr. William B. Snyder, Rutgers University, New Brunswick, N. J.

MICHIGAN CONFERENCE

The winter meeting of the Michigan Landscape Conference will be held January 5 and 6 at Kellogg Center, Michigan State University, East Lansing, Mich. The following tentative program has been released by Mrs. Jane L. Smith, secretary of the organization:

JANUARY 5

Registration.

Opening session, with President Ted Laetz, as chairman.

"Progress of Oak Wilt," by Prof. Forrest Strong, department of pathology, Michigan State University.

Nominations.

Lunch.

Afternoon session, with Don VanderVeen, landscape architect, as chairman.

"Landscape Architecture in Design Theory, Public Work and Residential Work," by Robert Royston, landscape architect, Eckbo, Royston & Williams, San Francisco and Los Angeles, Calif.

Panel discussion: "Annuals and Perennials," with Gilbert Bentley, Ferry-Morse Seed Co.; R. Milton Carleton, Vaughan's Seed Co., and others, to be announced.

Cabaret dinner and dancing.

JANUARY 6

Morning session, with John Emerson,

Malathion controls:

Aphids
Spider mites
Whitefly
Mealybugs
Thrips
Japanese beetle adult
Four-lined leaf bug
Tarnished plant bug
Rose leafhopper
Potato leafhopper
Soft brown scale
Monterey pine scale
Black scale crawlers
Pine needle scale
Oyster shell scale
Juniper scale
Fletcher scale
Bagworms
Oak kermes
Scurfy scale
Florida red scale
Azalea scale
Magnolia scale
Pine leaf scale
Euonymus scale
Birch leafminer
European pine shoot moth
Tent caterpillar
Lace bugs

Now!

for practically all your insect problems

... one insecticide

MALATHION

Called "one of the safest insecticides to handle" by the USDA, malathion is the first phosphate insecticide to combine high insect toxicity with low mammalian toxicity. Compatible with most other spray materials.

You profit 2 ways

- 1 ... by simplifying your own insect control problems.
- 2 ... by selling malathion insecticides to your customers ...
for malathion will solve practically all *their* garden insect problems.

Write today for complete information on use of malathion on ornamentals. Ask for MALATHION GROWER'S HANDBOOK.

Consult your regular sources of supply for malathion insecticides, packaged by well-known manufacturers under their own brand names. Or write us for suppliers' names.

AMERICAN Cyanamid COMPANY

Developers and Producers of Malathion Technical
AGRICULTURAL CHEMICALS DIVISION
30 Rockefeller Plaza, New York 20, N. Y.

P.S. Malathion kills flies, too!

CONVENTION TIME

Contact 9,500 Nurserymen at their Buying Time

THESE ISSUES BRING RESULTS

1956 JANUARY 1956						
Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JANUARY 1 issue

Forms close **December 16**

JANUARY 15 issue

Forms close **December 30**

1956 FEBRUARY 1956						
Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

FEBRUARY 1 issue

Forms close **January 13**

FEBRUARY 15 issue

Forms close **January 27**

DISPLAY ADVERTISING RATES

Number of issues	1 page	1/2 page	1/3 page	1 inch
1	\$120.00	\$60.00	\$40.00	\$4.00
2	112.50	56.25	37.50	3.75
6	105.00	52.50	35.00	3.50
12	97.50	48.75	32.50	3.25
24	90.00	45.00	30.00	3.00

Contracts permit advertisers to use varying space—larger or smaller—at the same base rate. Number of issues used within one year—not size of advertisements—determines base rate.

Type page, 6¾ inches wide by 10 inches deep. Three columns to a page. Column width, 2½ inches; 2 columns, 4½ inches; 3 columns, 6¾ inches.

CLASSIFIED ADS: 35c per line, minimum order \$3.50.

From the reports on fall business appearing in the December issues of the American Nurseryman, a record season was experienced and another record season is expected during the spring of 1956. Wholesalers and retailers, as well as garden shop owners, are all optimistic.

This optimism will be reflected during the winter months when hundreds of nurserymen in over 25 states will gather at their annual association conventions to buy and sell stock to meet the rush of spring orders and to purchase supplies and equipment for shipping, planting and resale.

You can contact the hundreds who will attend these meetings and the many more who stay at home by advertising in the coming issues of the American Nurseryman. The country over, nurserymen will follow these conventions through complete reports in the American Nurseryman. You can get their orders for stock, supplies and equipment by advertising during convention time. This timely advertising to 9,500 leading nurserymen in the United States will support your other selling efforts and produce good results.

READ THESE COMMENTS by ADVERTISERS:

From a Nursery:

"Thanks for your very good attention to our advertising copy this season. It has paid off very well."

A. L. Pallack
Pallack Bros. Nurseries, Inc.
Harmony, Pa.

3-23-55

From a Supplier:

"Please discontinue our display advertising until further advised as we are unable to keep pace with the orders at present."

P. L. Maples
Junius Peat Co.
Geneva, N. Y.

5-19-55

From an Advertising Agency:

"Results have been very satisfactory—in fact, your book has been a leader in furnishing inquiries for the past several months when we were checking returns."

George H. Boyer
Geo. H. Boyer Advertising Co.
Fitchburg, Mass.

(Agency for Union Products Co.,
mfrs. of plastic pots and planters.)

1-28-55

**RESERVE SPACE NOW
MAIL YOUR ORDER TO**

AMERICAN NURSERYMAN

343 S. Dearborn St.

CHICAGO 4, ILL.

landscape nurseryman, Lansing, as chairman.

Speakers: Dr. J. R. Hoffman, department of entomology, M. S. U., and others, to be announced.

Lunch.

Afternoon session, with Bruce Fox, landscape nurseryman, Grand Rapids, as chairman.

William Saia, Detroit, will discuss concrete products.

Film.

ILLINOIS CONVENTION

The 40th annual convention of the Illinois State Nurserymen's Association will be held at the Hotel La Salle, Chicago, Ill., January 15 to 18. Sunday, January 15, will be devoted to registration and to visiting exhibits. Also, at 1 p. m. on Sunday, the National Landscape Nurserymen's Association will hold a meeting. The state nurserymen's convention actually will get under way Monday, January 16. A ladies' program has also been planned, with Parlor C designated as the ladies' headquarters throughout the convention.

The convention program is planned as follows:

JANUARY 16

Registration.

Opening session.

Luncheon.

President's address.

"The Man Who Sells," by Ralph W. Carney, Wichita, Kan.

Film, "The Fight to Control Dutch Elm Disease," produced by the Standard Oil Co., Chicago.

JANUARY 17

Business session.

Luncheon.

Address by Sen. Everett M. Dirksen, Illinois.

"Two and Two Aren't Always Four," by Tom Collins, Kansas City, Mo.

JANUARY 18

Luncheon, with program by the American Association of Nurserymen.

Reception and cocktail hour in the Century room on the 19th floor.

Banquet in the Grand ballroom.

Dancing in the Century room.

VIRGINIA SHORT COURSE

The annual Virginia nurserymen's short course sponsored by the department of horticulture of the Virginia Polytechnic Institute will be held at Blacksburg, Va., January 9 to 20. This course is arranged especially for nursery foremen and landscape salesmen. Emphasis this year will be on landscape design, selection and handling of plant material and salesmanship.

Enrollment is limited to 20, so individual instruction can be given by the staff members. Virginia nurserymen have until December 15 to register; after that date, registration will be accepted from out-of-state nurs-

now a safe

WEED KILLER

for
nursery
seedlings



ALANAP®-I

Guard your nursery plantings with Alanap-1. It's Naugatuck's remarkable new selective weed killer that has proved itself nationwide.

Spray Alanap-1 after transplanting and annual weeds are killed as they start to sprout. Hand-weeding costs are largely eliminated!

What's more, where Alanap-1 is sprayed, the nursery plantings in most cases are actually bigger and healthier.

One application gives excellent control of weeds from 3 to 8 weeks, even after heavy rains. Also, Alanap-1 is non-hazardous to humans or animals.

Order Alanap-1 from your local supplier today. Write, wire or phone us if unable to locate immediate source of supply.



Naugatuck Chemical

Division of United States Rubber Company
Naugatuck, Connecticut

producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygon, Aramite, Synklor, MH, Alanap, Durasel.



BAGATELLE NURSERY

P. O. HUNTINGTON STATION, L. I., NEW YORK

Extends

Season's Greetings

to its many patrons and friends

and

Best Wishes for 1956

EVERGREENS

300 acres of choice Evergreens
ready for immediate resale

Write for list.

GARDNER'S NURSERIES, Inc.
ROCKY HILL, CONN.

CHRISTMAS TREE

Seedlings—Transplants

Pine, Spruce and Fir

Colorado Blue Spruce, good color,
5 to 12 ins., 500 or more, only 6c
each.

Write for our new spring prices
now.

ECCLES NURSERIES
Box 65-A RIMERSBURG, PA.

LINING-OUT STOCK

	Per 100	Per 1000
ILEX CRENATA		
seedling-grown, 4-yr., XX,		
field	\$50.00	\$450.00
seedling-grown, 3-yr., X, beds	12.00	90.00
ILEX CRENATA MICROPHYLLA		
seedling-grown, 3-yr., X, beds	12.00	90.00
ILEX CRENATA CONVEXA		
2-yr., X, beds	30.00	250.00
PIERIS JAPONICA		
3-yr., XX	45.00	420.00
Minimum mail order \$20.00.		

BROOKFIELD GARDENS
U. S. Rt. 46 DELAWARE, N. J.

ORDER NOW!

	Per 100	Per 1000
BOSTON IVY		
2-yr., T., No. 1	\$25.00	\$200.00
2-yr., T., No. 2	17.50	150.00
CORNUS FLORIDA , seedlings,		
above grafting size	15.00	125.00
grafting and budding size ..	4.00	45.00
below grafting size	4.00	25.00
2-yr., T., 18 to 24 ins.	25.00	200.00
2-yr., T., 24 to 36 ins.	45.00	350.00
CYDONIA JAPONICA , seedlings,		
1-yr., 10 to 14 ins.	5.00	40.00
1-yr., 15 to 21 ins.	7.50	60.00

Free packing for cash with order.

BROUWER'S NURSERIES
BOX 25, NEW LONDON, CONN.

TAXUS

Upright, 4 to 14 ft.
Truckloads only, no boxing.

BULK'S NURSERIES
BABYLON, L. I., N. Y.

MAPLE

SUGAR — RED
ALL NURSERY-GROWN
Taxus capitata, 4 1/2 to 7 ft.

BAKER'S NURSERIES
HOOSICK FALLS, N. Y.

HEMEROCALLIS

Day Lilies

	Per 10	Per 100
August Pioneer	\$2.50	\$20.00
Hyperion	3.00	25.00
Theron	2.50	20.00
Rajah	2.50	20.00

BEARDSLEE NURSERY Perry, O.

PIKES PEAK NURSERIES

Division of
Clearfield Bituminous Coal Corp.
INDIANA, INDIANA CO., PA.
Grower of Quality Nursery Stock
Current Trade List on Request

erymen if the quota has not been filled. The registration fee is \$10. Inquiries concerning this short course should be directed to Prof. Albert S. Beecher, department of horticulture, V. P. I., Blacksburg, Va.

TEXAS MART DISCONTINUED

The board of directors of the Texas Association of Nurserymen has decided to discontinue the annual midwinter trade mart, formerly held on a trial basis, at Austin, Tex. The T. A. N. Bulletin dated November 16 reports the decision of the board to be the result of a reported lack of interest and participation in the project.

IOWA CONFERENCE

The theme for the third annual landscape architecture conference for nurserymen, to be held January 11, 1956, in the Memorial Union, Iowa State College, Ames, Ia., is "Ideas in Customer Selling." The program, which will follow registration at 9 a. m., follows:

MORNING

"What the Customer Wants," by Arnold Webster, Cedar Falls, Ia.

"Plant Report." A panel discussion, to be stimulated by short presentations as follows:

"Quality vs. Quantity in Plants," by John McLaren, Shenandoah Nurseries, Shenandoah, Ia.

"Our New Scopulorums," by Donald W. Moffet, Mount Arbor Nurseries, Shenandoah, president of the Iowa Nurserymen's Association.

"New Plants for Landscape Use," by Prof. R. R. Rothacker, department of landscape architecture, Iowa State College.

"Selling the Landscape Plan as a Package," by Arthur Harrison, landscape architect and contractor, Ames, Ia.

AFTERNOON

"A Design Plan Is Always Best," by Prof. A. M. Hanson, Iowa State College.

"Fences Designed for the Private Areas," by Prof. Thomas Barton, Iowa State College.

"Selling the Landscape Job," by John Frederick Schlott, landscape architect and site engineer, Council Bluffs, Ia.

INDIANA MEETING

An interesting and informative program has been planned for the annual winter meeting of the Indiana Association of Nurserymen, January 11 to 13, in the Purdue Memorial Union building, West Lafayette, Ind. The registration fee for the event is \$6, which includes meals on Wednesday and Thursday evenings and other costs connected with the meeting. Members are urged to make their room reservations as early as possible, since another group meeting is being held in the Purdue Memorial Union build-

New M-J Poly-coated wrap cuts shipping costs up to 50%!



PROTECTION-PLUS . . . a uniform gauge polyethylene coating. No weak spots, no dangerously low areas.

M-J Polyethylene Coated Nursery Wrap



Packed in M-J Polyethylene Coated Kraft



Packed in Moss and Asphalt Laminated Paper.

Lightweight, low-cost M-J Nursery Wrap retains moisture, eliminates need for heavy moistened packing material

More and more nurserymen across the country have been shipping stock in polyethylene coated paper with excellent results.

The lightweight, low-cost M-J Polyethylene Coated Nursery Wrap retains the original moisture. The need for heavy moistened packing materials has been eliminated.

Without heavy asphalt laminated paper, shingletow, peat or sphagnum moss, shipping and parcel post costs have been cut way down . . . as much as 50% in certain cases.

McLAURIN-JONES COMPANY

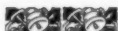
Homer, Louisiana

You'll make spectacular savings on shipments of rose bushes, delphinium, strawberries, perennials, evergreens, and most types of nursery stock. What's more, you'll reduce customer complaints, because your stock arrives in good condition.

Get more information on how to ship the modern way . . . package with new M-J Polyethylene Coated Nursery Wrap. It's made by McLaurin-Jones Company, one of the country's largest suppliers of polyethylene coated paper. AVAILABLE IN ROLLS OR SHEETS, ALL SIZES AND WIDTHS, PLAIN OR CREPED. 40, 50 and 60 LB. KRAFT WITH POLYETHYLENE COATINGS FROM 1/2 MIL UP. See your local paper merchants or nursery house. Or write us direct for free samples.

M-J NURSERY WRAP

SEASON'S GREETINGS



E. D. ROBINSON SALES AGENCY WALLINGFORD, CONN.

"A friendly, efficient service."

Please Mention AMERICAN NURSERYMAN When Writing Advertisers.

FOR 57 YEARS

*Our business has been
growing*

Rhododendrons
Azaleas
Perennials, Roses
All Nursery Items

BOBBINK NURSERIES, INC.
586 Paterson Ave.
E. RUTHERFORD, N. J.

EUONYMUS ALATUS

Cork Bark Euonymus

Interesting corklike wings on branches.
Red berries, foliage turns bright rose-
pink in fall. Really spectacular then.
6 to 12 ins., transplants, \$10.00 per 100
Send for list of other choice plants.

ALANWOLD NURSERY
NESHAMINY, Bucks Co., PA.

HEMLOCK

Rhododendron—Kalmia
Azalea

CURTIS NURSERIES
CALICOON, N. Y.

THUJA ORIENTALIS

Transplanted understock.
\$7.50 per 100
\$65.00 per 1000

HESS' NURSERIES
MOUNTAIN VIEW, N. J.



*To you and yours
A Merry Christmas and a
Happy New Year.*
DEL-MAR-VA NURSERIES
LINCOLN, DEL.

LILACS ON OWN ROOTS

Leading varieties. All sizes, 2 to 8 ft.
Write for list. Inspection invited.

SAMUEL FRASER NURSERY
Box 158
GENESEO, N. Y.

NORTHERN COLLECTED EVERGREENS FERNS

PLANTS
SHRUBS
WILLIAM CROSBY HORSFORD
CHARLOTTE, VT.

ing at the same time as the nursery-
men's meeting.

JANUARY 11

Registration.

Afternoon session in the west faculty
lounge, with President Troy L. Bunch
presiding.

Greetings, Prof. N. K. Ellis, Purdue
University.

"Borers and Their Control," by D. L.
Schuder, Purdue University.

"The Control of Animal Pests," by
W. D. Fitzwater, Purdue University.

"Salesmanship and Advertising," by
Chuck Gallop, Bozell & Jacobs, Inc., ad-
vertising firm.

Hospitality party and smorgasbord.

Evening session in west faculty lounge,
with Clint Sowards presiding.

Film, "Landscape for Living."

Film, "European Gardens."

JANUARY 12

Morning session, in west faculty lounge,
with Merrill Foland presiding.

"Mist Propagation," by Richard Fil-
more, Siebenthaler Co., Dayton, O.

"The Viburnums," by Carl E. Kern,
Jr., Wyoming Nurseries, Cincinnati, O.

"Hardy Hollies for Indiana," by Rob-
ert C. Simpson, Simpson Orchard Co.,
Vincennes.

"Japanese Hollies," by H. J. Schnit-
zius and M. Bareither, New Augusta
Nursery, Inc., New Augusta.

Afternoon session in the assembly
room, Horticulture building, with Henry
Schnitzius presiding.

"Microclimates," by Prof. B. O. Blair,
Purdue University.

"Geology of Indiana—Effects of Glaci-
ation on Plants and Soils," by Prof.
W. N. Melhorn, Purdue University.

"Irrigation," by Prof. D. R. Sisson,
Purdue University.

Evening program in the South ball-
room.

Annual banquet, Argel Pion, toast-
master, and Dr. George Scarseth, speaker.

JANUARY 13

Morning session in the west faculty
lounge, with Tom Hobbs presiding.

"Landscaping and Construction," by
Charles Harris, University of Illinois,
Urbana, Ill.

Business meeting.

Luncheon meeting of Indiana chapter
of the American Association of Nursery-
men.

N. L. N. A. WINTER PROGRAM

Registration for the midwinter
conference of the National Land-
scape Nurserymen's Association at
the Hotel La Salle, Chicago, Janu-
ary 15, will start at 1 p. m., the fee
for such registration being \$6 to
cover the afternoon and evening
sessions and the buffet dinner. All
interested nurserymen can attend.
Details of the program, which will
start at 3 p. m., have been released
by Secretary Lloyd G. Platt as
follows:

President's remarks, by Walter Chris-
tianson, Fargo, N. D.

"Why So Down at the Heels?," by Dr.
Joseph E. Howland, House Beautiful
magazine.

"The Ten Best Shade Trees and the
Ten Best Flowering Trees," a panel dis-
cussion, with Walter Burwell, Columbus,
O., moderator, and Harold J. Parnham,

GRAFTED STOCK for SPRING, 1956, DELIVERY

Grafts are normally ready for shipment after April 15. Since there is a possibility of damage by late spring frost, kindly give a shipping date when you feel it is safe to plant without frost injury.

	Per 10	Per 100		Per 10	Per 100
<i>Acer palmatum atropurpureum</i>	\$7.50	\$65.00	<i>Juniperus squamata meyeri</i>	\$6.00	\$50.00
<i>Acer palmatum dissectum atropurpureum</i>	7.50	65.00	<i>Juniperus virginiana burki</i>	6.00	50.00
<i>Acer rubrum columnare</i>	7.50	65.00	<i>Juniperus virginiana canaerti</i>	6.00	50.00
<i>Acer saccharum monumentale</i>	7.50	65.00	<i>Juniperus virginiana elegantissima</i>	6.00	50.00
<i>Cedrus atlantica glauca</i>	7.50	65.00	<i>Juniperus virginiana glauca</i>	6.00	50.00
<i>Cornus florida elba plena</i>	5.00	50.00	<i>Juniperus virginiana globosa</i>	6.00	50.00
<i>Cornus florida rubra</i>	6.00	50.00	<i>Juniperus virginiana kosteriana</i>	6.00	50.00
<i>Cornus florida rubra Prosser</i>	7.50	65.00	<i>Juniperus virginiana schottii</i>	6.00	50.00
<i>Cornus kousa chinensis</i>	6.00	50.00	<i>Juniperus virginiana pyramidiiformis hillii</i>	6.00	50.00
<i>Fagus sylvatica riversii</i>	6.00	50.00	<i>Magnolia rustica rubra</i>	7.00	60.00
<i>Hamamelis mollis</i>	6.00	50.00	<i>Magnolia sieboldii parviflora</i>	7.00	60.00
<i>Hamamelis vernalis</i>	6.00	50.00	<i>Magnolia soulangeana</i>	7.00	60.00
<i>Ilex opaca femina</i>	7.00	60.00	<i>Magnolia soulangeana nigra</i>	7.00	60.00
(Our selection of the following named varieties:)			<i>Magnolia stellata</i>	7.00	60.00
<i>Arden</i>			<i>Magnolia stellata rubra</i>	7.50	65.00
<i>Cheerful</i>			<i>Magnolia stellata Water Lily</i>	6.50	60.00
<i>Christmas Tide</i>			<i>Parrotia persica</i>	6.50	60.00
<i>Delia Bradley</i>			<i>*Pinus cembra</i>	6.50	55.00
<i>Farage</i>			<i>Thuja occidentalis douglasii spiralis</i>	5.00	40.00
<i>Hookstraw (Old Heavy Berry)</i>			<i>Thuja occidentalis elegantissima</i>	5.00	40.00
<i>Joyce</i>			<i>Thuja occidentalis lutea Mary Corey</i>	5.00	40.00
(Write for quotations on varieties of your selection)			<i>Thuja occidentalis lutea George Peabody</i>	5.00	40.00
<i>Ilex opaca mascula</i>	7.00	60.00	<i>Thuja occidentalis nigra</i>	5.00	40.00
<i>Juniperus chinensis columnaris glauca</i>	6.00	50.00	<i>Thuja occidentalis pyramidalis</i>	5.00	40.00
<i>Juniperus chinensis columnaris viridis</i>	6.00	50.00	<i>Thuja occidentalis rosenhailii</i>	5.00	40.00
<i>Juniperus chinensis keteleeri</i>	6.00	50.00	<i>Thuja occidentalis wareana (sibirica)</i>	5.00	40.00
<i>Juniperus chinensis neoborensis</i>	6.00	50.00	<i>Thuja orientalis aurea nana</i>	5.00	40.00
<i>Juniperus chinensis sargentii</i>	6.00	50.00	<i>Thuja orientalis conspicua</i>	5.00	40.00
<i>Juniperus chinensis sargentii glauca</i>	6.00	50.00	<i>Thuja orientalis elegantissima</i>	5.00	40.00
<i>Juniperus sabina vonehron</i>	6.00	50.00	<i>Tsuga canadensis pendula</i>	6.00	50.00

*Five-needle pines cannot be shipped in the following states: Arizona, California, Colorado, Georgia, Kentucky, New Mexico, Nevada, South Carolina and Tennessee.

Due to handling costs, orders for less than \$5.00 cannot be accepted

HESS' NURSERIES

MOUNTAIN VIEW, N. J.

Des Moines, Ia.: Richard Theidel, Hinsdale, Ill., and Powers Taylor, Eastview, N. Y., assisting.

Report on the FHA meeting at Washington, D. C., by Walter Christainson.

Other business.

Buffet dinner.

Discussion meeting with Dr. Joseph E. Howland and viewing of selected slides shown by N. L. N. A. members.

Evening session conducted by Allen Dalsimer, vice-president, Cedarhurst, N. Y.

IDAHO GARDEN SCHOOL

The annual meeting and garden school of the Idaho Association of Nurserymen will be held in the Crystal ballroom of the Boise hotel, Boise, Ida., January 16 to 18, 1956, according to Robert V. Gates, secretary.

MAIL ORDER AGENDA

On the agenda for the winter meeting of the National Mail Order Nurserymen's Association January 17 at the Hotel La Salle, Chicago, during the convention of the Illinois State Nurserymen's Association will be committee reports and planning for the group's annual meeting next August.

It is also anticipated that Dr. Richard P. White, executive vice-president of the American Associa-

tion of Nurserymen, Washington, D. C., will report on activities in Washington. It is also probable that the final draft of the nursery industry's fair trade practice rules will come up for discussion, according to Robert J. Bauge, secretary of the group.

KALAMAZOO MEETING

The annual midwinter educational meeting of the Kalamazoo Valley Landscape and Nurserymen's Association will be held February 7, 1956, at the Hotel Harris, Kalamazoo, Mich.

PLAN WASHINGTON MEET

LaDon Henson, Chenoweth's Mount Vernon Nursery, Mount Vernon, chairman of the Washington State Nurserymen's Association's winter convention, scheduled to be held at the Benjamin Franklin hotel, Seattle, January 23 and 24, has announced the following committee appointments:

Registration, Mrs. Paul Mortensen, Bonnybrook Nursery, Bothell; banquet decorations, Mrs. Harold Hopkins, Hopkins Nursery, Bothell; entertainment, Dirk Oosterwyk, Marysville; publicity, Frances Rob-

erson, L. N. Roberson Nursery, and J. B. Strander, Strander Nurseries, Seattle; ladies' entertainment, Mrs. Marian Frost, Terrace Nursery, Everett; displays, Angelo Balzarini, Five Corners Nursery, Seattle, chairman, with Ben Seike, Des Moines Way Nursery, Seattle; E. B. Guyott, Guyott Nursery, Seattle; John Eichler, Melrose Seed & Nursery Co., Tacoma, and Adolph Krause, Krause Nursery, Spokane; business sessions, Larry Krause, Krause Nursery, and Marland Edwards, Miethke's Nursery, Tacoma; guest speakers, John B. Strander, and Oliver Ester, Ester Nursery, Kirkland, and banquet, Naomi Edwards, Miethke's Nursery, and Betty McGuire, Puget Sound Nursery, Tacoma.

DEL - MAR - VA NURSERIES, Lincoln, Del., contributed the tree that was planted at the ceremonies observing the 10th anniversary of the United Nations at Georgetown, Del.

PAUL F. FREESE, who discontinued his association with Popular Gardening as editor October 21, plans to carry on lecturing and freelance writing in the horticultural field.



Norway Spruce, 2-yr., S.

	Per 100	Per 1000	Per 1000 at rate
NORWAY SPRUCE			
5 to 10 ins. (2-0)	\$8.00	\$40.00	\$35.00
3 to 6 ins. (2-0)	5.00	30.00	25.00

SCOTCH PINE			
5 to 10 ins. (2-0)	6.00	30.00	23.00
4 to 8 ins. (2-0)	5.00	25.00	20.00
3 to 6 ins. (2-0)	4.00	20.00	18.00

AUSTRIAN PINE			
4 to 8 ins. (3-1)	8.00	50.00	....
2 to 4 ins. (2-1)	4.00	25.00	....

100 at 100 rate; 1000 at 1000 rate;
5000 and up at 10,000 rate.

TERMS: Cash with order, otherwise 1/3 deposit and balance C.O.D. Packing at cost.

Payment in advance earns free packing.

PALLACK BROS. NURSERIES, INC.

R. D. 1, HARMONY, PA.

Phone: Zelienople 789 or 644

DECORATIVE EVERGREENS

[Continued from page 13]

a part of the nearby plantings, but take too much of the spotlight. There are enough intermingled branches and nodding branchlets to keep *Cedrus atlantica glauca* from appearing formal.

The blue color varies, and in some cases only the recent year's growth is blue, while the older leaves are nearly green. There are occasionally specimens to be found that are almost a silvery white throughout.

Two other varieties of interest are the weeping form, *Cedrus a. pendula*, and the reverse, the upright, or fastigate form, *Cedrus a. fastigiata*, neither of which is readily available. There is a tendency for many of the blue varieties to have a semiupright branching habit, but they are not tagged by any other name.

Pyramidal White Pine

Another interesting narrow-leaved evergreen that is adaptable to many landscape situations is the pyramidal white pine, *Pinus strobus fastigiata*, whose form can be studied in illustration G. It grows, as can be seen, much narrower than the species, the eastern white pine, and only begins to broaden out after 40 to 50 years. Even at that age the spread does not usually exceed 25 feet and is more often less by three to five feet. The specimens in the screen planting of the illustration are nearly 25 years old and are 18 to 20 feet high, with a spread of only about eight feet, less in some cases.

Any eastern white pine and the varieties thereof have a soft texture that is pleasing to the eyes of those who take time to observe. If we paused long enough to study the grace and texture of plants, we should not only do better landscape jobs, but we should learn to appreciate the qualities of shrubs and trees other than their flowers and fruits.

The pyramidal white pine is adapted for screening, as illustrated. This is often a necessary task on small properties having 60 to 75-foot frontage. One might think that this plant is too large, but the softer and finer texture of the plant seems to alleviate this fault, if it is one. I can think of a property that was much below the elevation of one on the east side, and screening was necessary because the east side folks could look directly down onto the rear lawn of the property in question. This upright form of white pine was used effectively with hemlock, a desirable combination.

growing . . . since '98



BURR
nurseries

ROSA MULTIFLORA JAPONICA (True Thorny Strain)

This year our crop is extra husky and well branched. In view of the outstanding quality, we believe these prices should prove attractive.

	Per 1000
3 mm. and up, 1,000 to 10,000	\$20.00
10,000 to 50,000	18.00
50,000 to 100,000	16.00
100,000 and up....	14.00

Ready for immediate delivery.

C. R. Burr & Co., Inc.

Manchester, Connecticut
or Phone Mitchell 3-4161

Roses

Shrubs

Trees

Evergreens

**QUALITY MERCHANDISE
AT REASONABLE PRICES**

**VANDERBROOK
NURSERIES,
INC.**

MANCHESTER, CONN.

Wholesale Nurserymen Since 1922

LINING-OUT STOCK

IN WIDE ASSORTMENT

Hardy Azaleas, Pink Dogwood, Jap. Red Maples, Old English Boxwood, Lilacs (French Hyb.), Evergreens, etc., in 1, 2 and 3-yr. transplants, at competitive prices. Write for list.

DEERFIELD NURSERIES

DEERFIELD STREET P. O., N. J.

HOLLIES

One of the most complete collections of the better named varieties of American and English holly. 3 to 6-inch pots. Send for list.

ANGELICA NURSERIES

R. D. 1

MOHNTON, PA.

BIG

We have one of the
largest available supplies
of big specimen
material, including:

TAXUS CUSPIDATA

- HYBRID RHODODENDRON
- TSUGA CANADENSIS
- GINKGO BILOBA
- AZALEA
- ILEX BUXIFOLIA
- ILEX OPACA
- TAXUS FASTIGIATA
- TAXUS REPANDENS

For 37 years
one of America's
leading nurseries



7817 York Road
Towson 4, Md.

NURSERIES
Cockeysville, Md.

DANEGGER'S QUALITY BARBERRY

RED-LEAVED BARBERRY

(*Atropurpurea*), 2-yr., seedlings.

Finest strain grown in America (300,000)

	Per 100	Per 1000
Lining-out	\$ 4.50	\$ 40.00
6 to 9 ins.	6.00	50.00
9 to 12 ins.	9.00	80.00
12 to 18 ins.	12.00	110.00
18 to 24 ins.	16.00	140.00

GREEN BARBERRY

(*Thunbergi*), heavy, 4-yr., transplants

	Per 100	Per 1000
12 to 18 ins.	\$24.00	\$200.00
18 to 24 ins.	28.00	240.00
2 to 2½ ft.	32.00	280.00

DANEGGER'S HI-WAY NURSERY, INC.

With a "Growing" Reputation

Box 336

MILFORD, DEL.

A good hedge can be created with this same tree, because pruning or trimming becomes less of a chore. When the plant is used next to the dark green foliage of a yew hedge, the contrast is striking, desirable and, well, a thing of beauty. This combination of hedges can definitely separate areas and attract attention to a specific place in the garden. Hemlock and yew are not a bad grouping, either, but do not provide the contrast of greens as do white pine and yew.

The corners of such large buildings as schools, office buildings and the like are other places where the pyramidal white pine seems at home.

As an accent plant that is not too "accenty," it is also suited to large borders and screens of materials other than narrow-leaved evergreens. Even broad-leaved evergreens and plantings of deciduous azaleas, high-bush and low-bush blueberries, shadbush and many other small and large deciduous shrubs are happy in the presence of *Pinus strobus fastigiata*.

Whether one uses the Atlas cedar and its blue variety, the Japanese white pine and its blue variety, the pyramidal eastern white pine, or any other narrow-leaved evergreen, he will find them appropriate and well

received, if used wisely. Some, however, are better suited than others for decorating the interior. Cut branches of the Japanese white pine or the blue form and the Atlas cedar or the blue variety can make Christmas more decorative and enjoyable.

ANIMAL PEST CONTROL

[Continued from page 14]

eight feet. It is necessary to respray at intervals, since the repellents are effective only as long as the deposit remains on the trees.

It is important to flush out spray equipment thoroughly after use, if the repellent is of the type that cakes. This kind sometimes leaves a white deposit on vegetation.

Manufacturer's directions should be followed carefully for products requiring a different dilution for deciduous trees or shrubs and evergreens.

Effective as a repellent because of its strong, unpleasant odor is a water-emulsifiable concentrate containing bone-tar oil.

Heavy concentrations of deer that result in much serious damage should be called to the attention of the district game manager of the state conservation department.

TEXAS GROUP FORMED

The Nueces County Nurserymen's Association was formed recently at a meeting attended by 20 nurserymen of the Corpus Christi, Tex., area. Officers elected at the meeting, all of Corpus Christi, were as follows: President, Durward Thompson; vice-president, J. B. Wright, Currie Seed Co., and secretary and treasurer, Don Barton, Tropical Nursery. Among the first activities of the group will be the co-sponsorship of a program of tree sales designed to promote civic beautification.

GARDENS that are open to the public without charge are maintained at the Dehaven Gardens & Nursery establishment, Bayside, Va., five miles north of Norfolk. The public area includes a golf course a lake for fishing, two made lakes, a display garden and two miles of paths among pine plantings. Featured at the nursery, which covers 30 acres, are approximately 100,000 azalea plants and 5,000 to 10,000 camellia plants, as well as dogwoods and evergreens. George L. Bonney is owner of the establishment and conducts both a wholesale and retail business.

THIS BUSINESS OF OURS

Reflections on the Problems of Nurserymen

By E. Sam Hemming

TOO MANY VARIETIES

At the recent meeting of the American Horticultural Congress, at Washington, D. C., there was considerable preoccupation with nomenclature, variety registration and cultivars. This is inevitable, because the problem of naming plants has many facets, and the goal of complete removal of all confusion is not possible of solution, for both the goal and the problem change constantly.

In the first place, professional botanists, classifying plants solely from a scientific point of view, are not in full agreement. Then professional horticulturists, through their "Standardized Plant Names," are in complete agreement neither among themselves nor with the botanists. Much progress has been made and much more will be made, but I should like to offer some mild criticism, more from a philosophical point of view than a strictly scientific one.

There are too many varieties (of certain popular species), and in many cases growers are graft crazy. I shall cite some examples:

Variations Often Minor

A certain species becomes popular and everyone gets into the act. If the plant is variable, there will be a tremendous increase in varieties named when there should not be. Camellia sasanqua is an excellent example. At the congress meeting, the Camellia Society of the Potomac Valley had an exhibit of some beautiful blooms. These ran from pure white through pink to red, each step only a shade different in color. Each different shade either is named or will be. Then some hybridizer in another section could easily duplicate (almost exactly) these same shades and name them with his names, and then the trouble begins. Frankly, if these plants are propagated from cuttings, they should be sold by color and not by name. Names should be reserved for plants showing outstanding differences.

Here is another example: Some years ago I received some crab apple seeds from the Morris Arboretum. These were most obviously a polybrid Japanese malus. The plants when grown produced flowers from

pure white to dark red, and the fruit ranged from small yellow to medium to large yellow crab apples, also from small red to large red and several shades of red at that. It would have been absurd to have made a variety out of each one and equally as silly to have cut them down to just a few types to be sold as grafted plants. These plants were highly popular, and a lady whose place I planted rather extensively with them about 20 years ago told me that they had made a show place out of her property and were a constant joy to her and her guests.

Testing Sometimes Incomplete

Often we growers are in too much of a hurry to establish varieties when they are not tested enough to be

called varieties. We do this hoping to reduce customer disappointment, when in reality we are defrauding the customer by preventing him from having the "what might have been." It sounds brutal, but the customer must pay for some of the mistakes in developing good varieties. For until they are tested in regular customer channels, they are not tested. You cannot go from a model T Ford to a Thunderbird in one jump, in cars or plants.

I hold no brief for dishonesty in any form, but the dishonesty label is sometimes misapplied. This example I have used before, but it bears repeating. In a government experiment station a program of plant breeding was carried on, and after a period, varieties were produced which were only part way to their goal. There was much soul searching to decide whether to release the plants or to continue the breeding maybe 10 or maybe 30 years or more, thus depriving the public of anything. Here there was no commercial consideration, yet it entailed a difficult decision.

QUEEN O' the LAKES

(Dark
Velvety
Red)

and 30 other fragrant
**SUB-ZERO
HYBRID TEAS**

Large and beautiful as any. Easy to grow; long to live. Bloom more; more constantly. Save replacement expense. Tree Roses topped with all varieties can survive 15 degrees below zero without protection.

Also 20

Yellow and Orange Climbers



Also Florabundas and Grandifloras. Also many varieties of our new race of everblooming climbers which we call Everblooming Pillars. These bloom the first year like Hybrid Teas and on all stems and canes the year they grow; large Hybrid Tea blooms in great quantity.

These Roses have been honored by some of the leading Distinguished Service Medals.

Write for trade prices to

BROWNELL ROSES

LITTLE COMPTON, R. I.

SHEPARD NURSERIES

Growers and Distributors of

ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.

60 acres growing. Skaneateles, N. Y.

We never talk about the other fellow's low prices; he knows what his merchandise is worth. We grow good evergreen liners. Ask for our wholesale list.

The STEDMAN NURSERIES
NEWFANE, N. Y.

GROWERS

EVERGREEN TREE LINING-OUT STOCK

SUNCREST EVERGREEN NURSERIES

P. O. Box 305

HOMER CITY, PA.

ACER PALMATUM ATROPURPUREUM

1-yr. S. 3 to 6 ins.
\$15.00 per 100
\$125.00 per 1000

HESS' NURSERIES
MOUNTAIN VIEW, N. J.

Except for the plant hobbyist or the arboretum it is extremely doubtful if planters can digest the vast number of varieties there are of certain species or even types. For example, consider the Glenn Dale hybrid azaleas, which are the result of a successful breeding program. One nursery lists 341 varieties of these. Neither the homeowner nor the trade can digest that many. When these azaleas get spread around, names are going to be lost, mixed up and forgotten, and chaos is inevitable, yet these are gorgeous plants, with showy characteristics.

Much of the system used in naming and registering plants is good, but if we growers attempt to develop too many iron-bound rules and methods we are going to lose, and the customer will lose, too. In addition, plants refuse to fall within man-made classification, and the result of such an attempt will only mean confusion in another direction.

MORE WHOLESALE REPORTS

Several more wholesalers, adding their comments on the fall business this year, increase the number of those seeing gains in the season's trade.

With weather conditions causing a short spring selling season, fall trade exceeded the early sales this year, states William F. Kuhl, sales manager, Shepard Nurseries, Skaneateles, N. Y., writing as follows November 16:

"We are a small wholesale firm, catering to landscape and salesyard trade in central New York. In comparing our autumn business with spring business we find this year our volume of sales has been greater in the fall, because of weather conditions.

"Last spring the selling season was short, due to late wet conditions that curtailed field digging. That situation was followed by a prolonged dry spell; we were on the edge of the central New York drought area.

"However, our fall business started early—about August 15—and has kept up. We have operated at top capacity since then.

"Our yearly volume of sales should exceed by a small margin last year's sales. Salesyard business by our customers seems to have dropped off slightly, but planting jobs by landscape men have increased considerably."

Indiana Demands "Lively"

Writing November 15, W. E. Cunningham, Cunningham Gardens,

NORTHERN-GROWN STOCK

LANDSCAPE-SIZE SHRUBS			PAPER BIRCH		
	Per 10	Per 100		Per 100	Per 1000
<i>Clethra alnifolia</i>			<i>Betula papyrifera</i>		
18 to 24 ins., clumps	\$4.00	\$35.00	2 to 3 ft.	\$10.00	\$ 80.00
2 to 3 ft., clumps	6.00	50.00	3 to 4 ft.	25.00	200.00
3 to 4 ft., clumps	8.00	70.00	4 to 6 ft.	40.00	300.00
<i>Ilex verticillata</i>			6 to 8 ft.	90.00	.....
2 to 3 ft., clumps	6.00	50.00			
3 to 4 ft., clumps	7.00	60.00	LINING-OUT STOCK		
<i>Viburnum cassinoides</i>			<i>Acer saccharum</i>		
2 to 3 ft., clumps	6.00	50.00	2 to 3 ft.	12.00	100.00
3 to 4 ft., clumps	8.00	70.00	3 to 4 ft.	30.00	250.00
<i>Viburnum dentatum</i>			4 to 6 ft.	60.00	500.00
2 to 3 ft., clumps	5.00	40.00	<i>Clethra alnifolia</i>		
3 to 4 ft., clumps	6.00	50.00	6 to 18 ins.	8.00	70.00
SUGAR MAPLES			<i>Ilex verticillata</i>		
	Unit price in quantities		1 to 2 ft.	12.00	100.00
	10 to 50 to		<i>Syringa vulgaris</i>		
	49 250		1 to 2 ft.	7.00	60.00
<i>Acer saccharum</i>			<i>Viburnum acerifolium</i>		
1 1/4 to 1 1/2-in. cal.	\$ 4.00	\$ 3.50	6 to 18 ins.	9.00	80.00
1 1/2 to 2-in. cal.	6.00	5.00	<i>Viburnum cassinoides</i>		
2 to 2 1/2-in. cal.	7.00	6.00	1 to 2 ft.	9.00	80.00
2 1/2 to 3-in. cal.	9.00	8.00	<i>Viburnum dentatum</i>		
	12.00	11.00	1 to 2 ft.	8.00	70.00
CLUMP BIRCH			HEMLOCK TRANSPLANTS		
	Per 10	Per 100	<i>Tsuga canadensis</i>		
<i>Paper Birch</i>			4 to 8 ins., trans., 2-2	15.00	120.00
4 to 6 ft.,			HEMLOCK SEEDLINGS		
3 stems and up	\$30.00	.....	<i>Tsuga canadensis</i>		
6 to 8 ft.,			6 to 9 ins.	4.00	20.00
3 stems and up	40.00	.....	9 to 12 ins.	6.00	45.00
<i>Gray Birch</i>			12 to 18 ins.	8.00	65.00
4 to 6 ft.,					
3 to 6 stems	25.00	\$200.00			
6 to 8 ft.,					
3 to 6 stems	35.00	250.00			

All stock is first-quality collected material except as otherwise noted. Send for complete wholesale list of Hardy Native Ferns, Lilies, Orchids, Wild Flowers, Trees, Shrubs and Evergreens. We do not have Japanese beetle.

ISAAC LANGLEY WILLIAMS

P. O. Box 352

EXETER, N. H.

<i>Azalea mollis</i> , Orange and red, 4-year, transplanted seedlings, 6 to 10 ins.	\$0.45
<i>Cotoneaster dielsiana</i> , bare-root, 18 to 24 ins.	.75
<i>Cotoneaster divaricata</i> , bare-root, 18 to 24 ins.	.75
<i>Thuja occidentalis pyramidalis</i> , B&B, 3 to 4 ft.	2.50
<i>Viburnum carlesii</i> 2-year seedlings, transplanted, 12 to 18 ins.	.75
2-year grafts, transplanted, 18 to 24 ins.	1.25
4-year grafts, twice transplanted, B&B, 18 to 24 ins.	1.75
4-year grafts, twice transplanted, B&B, 2 to 3 ft.	2.00

THE RHODE ISLAND NURSERIES NEWPORT, R. I.

TAXUS MEDIA HALLORAN

Past winters have proved this variety to be very well adapted for the middle western climate. We have 1, 2 and 3-year liners to offer.

VERKADE'S NURSERIES

NEW LONDON, CONN.

Waldron, Ind., reports a lively demand for good material, as follows:

"Fall business has been good, and the entire year has been consistently better than any previous year. The growing population and immense number of new homes, the general prosperity in industry, the transition of heavy industry to the midwest from eastern and heavily populated areas, necessitating new industrial construction, all combine to create a lively demand in this area for good planting material.

"We do a wholesale shipping business, handling specialties produced by summer and winter propagation and shipped interstate to growers, garden stores and landscape architects. As of November 1 this year, our gross gain over the entire

year 1954 was 12.4 per cent, and the gross volume increase over 1953 sales was 46.4 per cent. Similar increases in volume have been experienced by other nurserymen in Indiana, Ohio and Illinois.

"The excellent demand for good plant materials—herbaceous and ornamental—has created shortages which will be more apparent next spring. Some Indiana nurserymen have reported good, well-grown Pfitzer junipers as moving slowly, while other producers of complete lines report this item as sold out, pointing to a spotty situation."

Fall Gains Top Spring's

James Ilgenfritz, president, Ilgenfritz Nurseries, Inc., Monroe, Mich., writes: "Business activity is holding

NEWPORT OFFERS

Beautybush-Kolkwitzia

Graceful branches, pink flowers.

	Per 100	Per 1000
6 to 9 ins., S.....	\$10.00	\$ 85.00
9 to 12 ins., S.....	15.00	125.00
9 to 12 ins., T.....	17.50	150.00
12 to 18 ins., T.....	22.50	200.00

Washington Hawthorn

(Crataegus phaenopyrum)

Red berries all winter.

6 to 9 ins., S.....	7.50	65.00
6 to 12 ins., R.P....	15.00	125.00
12 to 18 ins., R.P....	22.50	200.00

Europ. Mountain Ash

(Sorbus aucuparia)

Loads of orange berries.

6 to 12 ins., S.	6.50	55.00
-----------------------	------	-------

Spreading Cotoneaster

(Cotoneaster divaricata)

Rich, shiny foliage; red berries.

6 to 12 ins., S.	10.00	85.00
6 to 12 ins., T.....	12.50	100.00
12 to 18 ins., T.	20.00	175.00

White Kerria—Jetbead

(Rhodotypos scandens)

Light green foliage;

jet-black berries.

6 to 12 ins., S.	7.50	65.00
12 to 18 ins., S.	10.00	85.00

Flowering Dogwood

(Cornus florida)

18 to 24 ins., R.P....	15.00	125.00
2 to 3 ft., R.P.....	20.00	175.00

Red Barberry

Out-of-state customers need U.S.D.A. permit.

6 to 9 ins., S.	6.00	45.00
9 to 12 ins., S.	7.50	65.00

Viburnum lantana

Foliage of heavy texture.

12 to 18 ins., S.	15.00	125.00
18 to 24 ins., T.	20.00	175.00

Viburnum sieboldi

Glossy leaves, large red berries.

6 to 9 ins., S.	10.00	85.00
----------------------	-------	-------

Viburnum tomentosum

Large white flowers, red fruit, horizontal branches.

6 to 12 ins., S.	10.00	85.00
-----------------------	-------	-------

**NEWPORT
NURSERY CO.**
NEWPORT, MICH.

up well in southeastern Michigan, with autumn business apparently increasing at a greater rate than spring trade. The Detroit market, however, continues to be heavily supplied by growers outside the local area, and competition is strong."

GARDEN CENTER

[Concluded from page 16]

tened to the pipes with bolts, one bolt serving to fasten the ends of two stringers which are placed on opposite sides of the pipe. Houses properly built with pipes make a very neat appearance. If the pipes are old and rusty, clean them with a steel brush, then paint them a light green or yellow.

LETTERS IN PARCEL POST

A letter can be put in a Christmas package this year without payment of first-class postage on the whole parcel.

The post office department announced, Monday, November 21, a new combination mail service that makes it possible for the first time in United States postal history to include a letter or message inside a fourth-class (parcel post) package or inside a copy of a publication mailed under second-class mail entry.

The new service went into effect Monday, November 28, on a 60-day trial basis. The procedure is simple; indicate on the outside of the package that a letter is enclosed, then pay the regular postage rate for the parcel, plus an extra 3-cent stamp for the letter.

Postmaster Gen. Arthur E. Summerfield said the new system should end the use of the heretofore necessary familiar phrase—"We are sending under separate cover."

Previously, he said, post-office patrons had "no practical way to send a letter with a gift or with laundry mailed back and forth to school except by paying first-class postage on the entire parcel or by pasting the envelope on the outside of the package."

If a letter was enclosed in a package without payment of first-class postage on the entire parcel, the sender was liable to fines up to \$100.

JANRIDGE NURSERY, New Alexandria, Pa., was opened as a combination evergreen nursery and Christmas tree plantation November 1. The firm's 90 acres, all devoted to the production of stock, are located 35 miles east of Pittsburgh, at the foot of the first eastern range of the Allegheny mountains.

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list...

red rich

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PLANT PAT. NO. 993 ®

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Catalog...

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BRISTOL, INDIANA

**LINING-OUT and
FINISHED STOCK**

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COTTAGE
GARDENS**

Our 31st Year

Nick I. W. Kriek—Harold E. Hicks
LANSING 17, MICH.

TEUCRIUM CHAMAEDRYS

	Per 100	Per 1000
Top size	\$18.00	\$150.00
Medium grade	12.00	100.00
Well-rooted cuttings, spring, 1956	5.00	45.00

BEARDSLEE NURSERY
PERRY, O.

Mention The American Nurseryman when you write.

Scarff's Nursery
FRUITS
ORNAMENTALS
LINING-OUT STOCK
Send for Complete Trade List.
NEW CARLISLE, O.

STAN SAYS

Actinidia Arguta

Actinidia arguta, the botanical name for Tara vine, makes the average layman throw up his or her hands, and the common name does not help. This is one vine that should help pay for some items that are so competitively priced that one cannot make a fair profit on them. Perhaps it would even be in order not to tell the name at all; if the customer discovers it, O.K. The medical profession does not supply a favorite cold remedy without charge. *Arguta* is one of the best hardy vines. The leaves clothe the stem almost to the ground. One does not select this vine for its white flowers, which are not conspicuous (neither are the berries prominent); one selects the vine for its luxurious mass of foliage—foliage that really has "class." Leaves, that grow in heavy cluster effect, measure six and one-half inches long and four and one-half inches wide. The deep green leaf has an attractive lighter pencil-thin edge. The 4-inch petiole is reddish in color.

The vine is hardy, growing on the mountains outside Johnstown, Pa. The species grows wild in Japan, Korea and Manchuria. Its vigor is readily seen in that it grew up the columns of a second-story porch; if there had been a third-floor porch, I know this vine would easily have climbed to the top of that. The trunk is about six inches in diameter. If one wants an unusual vine that will not have to be pampered, this is it. At Pittsburgh, Pa., I have always planted this *actinidia* in the spring without any losses.

Asclepias Tuberosa

The showy, bright orange-red clusters of *Asclepias tuberosa*, the butterfly milkweed, appear in mid-summer. The plant grows about 18 inches high. I never paid much attention to it until about 20 years ago when I saw a car stop near a vacant field and two women get out to cut *asclepias* blooms. I found that the flowers were tied and sold to wholesale florists. *Asclepias* is drought-resisting and grows on sunny, barren hillsides outside Pittsburgh, as well as on the sandy soils of Long island. I think that the nurseryman may be missing a bet if he does not grow a couple of hundred plants of this perennial; at the moment it does not seem to be overdone by growers in the trade.

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DECEMBER AND JANUARY ONLY

Fresh Dug

Prices F.O.B. Monroe, Mich.

Cash with order earns 5% discount.

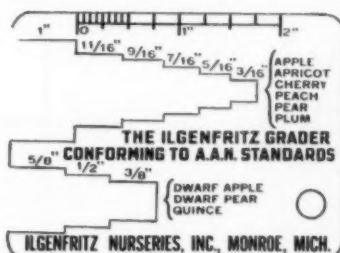
Shipped Promptly

All stock subject to prior sale.

	Each 10 to 99	Each 100 and up		Each 10 to 99	Each 100 and up
Japanese Quince			Philadelphus coronarius (Sweet Mock Orange)		
1 1/2 to 2 ft.	\$0.40	\$0.30	2 to 3 ft.	\$0.42	\$0.35
2 to 3 ft. ....	.45	.40	3 to 4 ft. ....	.56	.45
Cornus amomum			Rhamnus frangula (Glossy Buckthorn)		
1 1/2 to 2 ft. ....	.33	.28	2 to 3 ft. ....	.42	.35
2 to 3 ft. ....	.43	.38	3 to 4 ft. ....	.56	.45
Cotoneaster foveolata (Glossy Cotoneaster)			Rhamnus saxatilis		
2 to 3 ft. ....	.55	.42	A new introduction of special hardiness. One of the best Buckthorns.		
3 to 4 ft. ....	.68	.53	2 to 3 ft. ....	.42	.35
Deutzia Pride of Rochester			3 to 4 ft. ....	.56	.45
2 to 3 ft. ....	.45	.35	Symphoricarpos albus (Snowberry)		
3 to 4 ft. ....	.62	.50	2 to 3 ft. ....	.38	.32
4 to 5 ft. ....	.85	.70	3 to 4 ft. ....	.52	.42
Euonymus europaeus, scarlet berries			Symphoricarpos chenaultii		
2 to 3 ft. ....	.45	.35	2 to 3 ft. ....	.48	.30
Lonicera morrowi (Morrow Honeysuckle)			Symphoricarpos orbiculatus (Indian Currant)		
3 to 4 ft. ....	.56	.45	2 to 3 ft. ....	.34	.28
Lonicera tatarica (Pink Honeysuckle)			Viburnum lantana (Wayfaring Tree)		
2 to 3 ft.42	.35	2 to 3 ft.54	.48
3 to 4 ft.56	.45	3 to 4 ft.70	.60

ILGENFRITZ TREE GRADER

\$2.25 net



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TAXUS CUSPIDATA

12 to 15 ins., TT.
15 to 18 ins., TT.
18 to 24 ins., TT.
24 to 30 ins., TTT.

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Growers of Quality Evergreens
Lining-out Stock a Specialty

Write for Trade List

EVERGREEN NURSERY CO.

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CORKSCREW TREE

(Salix Matsudana Tortuosa)

Contorted Hankow Willow or Corkscrew Tree. Very odd appearing horticultural curiosity. Branches grow upright with a corkscrew twist. Compact growing large shrub or small tree. Ultimate height 12 to 16 ft. Small trees approximately 4 to 8 ft., \$2.50 each. BEARDSLEE NURSERY PERRY, O.

PLANT NOTES HERE AND THERE

By C. W. Wood

Smoke Tree

The smoke tree, or smokebush, as you prefer, has had to labor under several handicaps, including a multiplicity of common names and some confusion in botanical circles as to what it should be called in their polite circles. The common name most generally used seems to be smoke tree; actually, the subject is not a tree at all as it grows in the north, but is rather a shrub. The plant is almost universally known in gardens as *Rhus cotinus*; the botanists (witness *Hortus*) states the plant should be *Cotinus coggygria*. The subject is further handicapped by an unearned reputation of being too tender for the north, considering it is hardy enough to stand the rugged climate of northern Michigan, where the temperature drops as low as 30 degrees below zero, sometimes lower. Call it whatever one pleases, plant it where one pleases, within reason, in any form one pleases, he will have a good garden plant in this subject. And if that form happens to be the new Notcutt variety, he will have one of the brightest ornaments in the garden's firmament.

The Notcutt variety is said to commence the year's cycle in spring in a rich claret garb, followed in June and July with the usually feathery plumes of the type, in this case of the color of the leaves, and then in autumn, when I saw the plant, it is a most attractive object in its various hues, mostly in shades of red, orange and purple. I have long admired the common purple-leaved variety just outside the window where I write these notes, but this new variety is far more colorful and, for that reason, will no doubt replace it.

Mimulus luteus

A correspondent writes as follows: "I hear of an alpine form of *Mimulus luteus*. What can you tell me about it?" I can do no better than to give the following, which I find in my 1930 garden notebook.

Type *Mimulus luteus* grows from two to three feet tall, if given proper culture, which includes a rich soil and an abundance of moisture. Then, too, it is seldom to be depended upon to go through a northern winter in the open, though it would

probably be much hardier than is generally supposed if one could get material from the northern part of its range. (Let us not get into an argument with the botanists who say that the plant's range is restricted to Chile.)

The plant that our correspondent has in mind is probably *M. luteus alpinus*, an alpine form of the monkey flower, which usually grows five or six inches high and has the bright yellow flowers of the type, without its dark spots. If one wants to keep that five or six inches under cultivation, it will be necessary to give the plants a lean soil, say one made up mostly of sand and gravel, with just a little leaf mold added. It is always

necessary to give it an abundance of moisture. In a very lean soil, it seldom exceeds a height of three inches and devotes its energy, otherwise given to foliage, to the production of an added number of its pleasing yellow flowers. I found that cuttings taken in early fall wintered over in a pit (a protected frame would probably be just as good farther south) and brought into gentle heat in late winter would give good cuttings for early spring propagation.

Shade-Loving Peas

I saw last spring a woodland planting that I made about 15 years ago and was pleasantly surprised by the longevity of *Lathyrus vernus*

"CRIMSON PYGMY" DWARF RED BARBERRY

Place your order now for spring, 1956.

	10 rate	100 rate	1000 rate
L.O. size from 2 1/4-in. pots.....	\$0.35 ea.	\$0.25 ea.	\$0.22 1/2 ea.
2-yr., field plants .....	.75 ea.	.60 ea.	.50 ea.

THE COTTAGE GARDENS LANSING 17, MICH.

ARBORVITAE

Pyramidals in sizes

From 2 to 4 ft.

Siberians in sizes

From 1 1/2 to 2 1/2 ft.

Excellent stock in quantity.

Let us quote you on your needs.

FILLMORE COUNTY NURSERY
CANTON, MINN.

CORNUS FLORIDA

(White-flowering Dogwood)

Spring, 1956

4 to 5 ft., medium	\$ 2.50
4 to 5 ft., heavy	3.75
5 to 6 ft., medium	3.00
5 to 6 ft., heavy	5.50
6 to 7 ft., medium	4.00
6 to 7 ft., heavy	6.50
7 to 8 ft., medium	6.00
7 to 8 ft., heavy	9.00
8 to 10 ft., medium	9.00
8 to 10 ft., heavy	18.00

Larger sizes to specifications up to \$100.00.

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Evergreen Liners

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Philadelphus Minnesota Snowflake
(Plant Patent No. 538).

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COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade Trees, Roses and Lining-out Stock.

Write for complete list.

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Wholesale growers of the best
Ornamental Evergreens
Deciduous Trees
Shrubs and Roses

Write for our current trade list.

The Kallay Brothers Co.
1251 Madison Ave. PAINESVILLE, O.

WEIGELA "JAVA RED"

(Weigela florida atropurpurea)

An easily grown RED-LEAVED WEIGELA with clear pink flower clusters. Available for spring, 1956, in 2-in. pot liners only.

Per 10, \$7.50 Per 100, \$50.00

BEARDSLEE NURSERY
PERRY, O.

and was again enchanted by its display of blue-violet pea flowers. It had spread by self-sowing in the rather open woodland until it covered a space about 10 feet in diameter, which was lighted up with the carpet of blue flowers. The plants come readily from fall-sown seeds and grow without trouble in woody soil in not too dense shade.

In the same planting was and still is another shade-loving pea of value, variously known as *Orobis aureus*, *Orobis aurantiacus*, *Orobis luteus*, the same specific names under *lathyrus* and *Vicia aureus*. There is some justification for the several specific names, because of the difference in flower color; I cannot say regarding the generic names. One who is interested in an orange-flowered pea should watch European lists for seeds marked *Orobis aurantiacus* and, if the gods are kind, he will get 2-foot plants with large spikes of large, orange-yellow pea flowers in summer, admirably suited to partly shaded places as a ground cover. I notice that *Hortus* refers to the plant as *vicia*; so one may find it under that heading in trade lists.

Delphinium Belladonna

A recent letter from a delphinium specialist, in which he took me to task for condemning the modern delphinium hybrids, will be answered here so that other readers will not harbor the same impression. Let it be understood at the outset that I do not dislike the mammoth modern hybrids. They have their place (and what a place it is!) in the cutting garden, but they are seldom at home in landscaped areas. It is there that the species, especially *Delphinium Belladonna*, come into their own. To see what I mean, the next time you plant a garden try to arrange for a planting of *Rosa wichuraiana* with *D. Belladonna* in front, or, better yet, *Rosa hugonis* fronted by the larkspurs. These two suggestions are merely a beginning; one's plant sense will suggest a myriad more. So let me reiterate: It is not that I dislike the hybrids, but rather that I like *Belladonna* more. It is my considered opinion that 10 of the latter should be sold to one of the hybrids for landscape work. Don't shoot. I have my hands in the air!

Salvia Patens

It seems not generally known that even northern gardeners can make a perennial out of the most spectacularly lovely of the blue sages, *Salvia patens*, by digging the tubers in autumn and storing them over win-

EVERGREEN GRAFTS

CREATED BY SKILLED WORKMEN

- Husky Understocks
- Strong Scions
- Sturdy Unions

\$55.00 per 100; \$500.00 per 1000.

300 alike or assorted at 1000 rate. Minimum order: 25 of any one variety.

JUNIPERUS (Juniper)

Juniperus virginiana understock

<i>Chinensis Columnaris</i> , Blue	<i>Scopulorum Moffeti</i>
<i>Chinensis Columnaris</i> , Green	<i>Scopulorum, Pathfinder</i>
<i>Chinensis Pfitzeriana</i> , Blue	<i>Scopulorum, Sutherland</i>
<i>Kosteriana Plumosa</i>	<i>Scopulorum Welchi</i>
<i>Scopulorum, Select Blue</i>	<i>Virginiana Burki</i>
<i>Scopulorum, Chandler</i>	<i>Virginiana Canaerti</i>
<i>Scopulorum, Cologreen</i>	<i>Virginiana Cupressifolia</i>
<i>Scopulorum, Crawford's</i>	<i>Virginiana Keteleeri</i>
<i>Scopulorum Horizontalis</i>	<i>Virginiana Hilli (Dundee)</i>

THUJA (Arbervitae)

Thuja orientalis understock

<i>Aurea Nana</i>	<i>Excelsa</i>
<i>Aurea Nana, Dwarf</i>	<i>Crawford's Compact</i>
<i>Bonita</i>	

CUPRESSUS (Cypress)

Thuja orientalis understock

Arizonica (Hardy at Ottawa for many years).

JUNIPERUS SCOPULORUM

Plant Patent No. 1070

Platinum

New! Recently introduced by us. Brilliant silvery-blue color retained the year around. Dense foliage, requiring very little shearing to make compact and symmetrical. It has never blighted with us.

GRAFTS \$1.00 each

OTHER VARIETIES GRAFTED ON SPECIAL ORDER

THE WILLIS NURSERY CO.

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OTTAWA, KAN.



FRENCH PUSSY WILLOW

(*Salix Discolor* Selection)

Beautiful February-flowering strain. Catkin sheath is a rich mahogany-red with attractive large silvery-pink catkins when mature.

	Per 100	Per 1000
15 to 18 ins.	\$25.00	\$200.00
18 to 24 ins.	30.00	250.00
24 to 36 ins.	35.00	300.00
Cutback liners	12.00	100.00

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America's Finest
ROSES • BULBS • PLANTS
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Junipers Each 40c

Grafted on Red Cedar understock.

Blue Haven	Keteleeri
Burki	Pathfinder
Canaerti	Sneedi
Dundee	Welchi

Arizona Cypress, Gareii, blue or green.
Grafted on arborvitae,
also 40c each.

No orders for less than 100 grafts.

B&B EVERGREENS

Come and make your own selections.

	Each
Brewers Hybrid, 24 to 30 ins.	\$2.00
30 to 36 ins.	2.25

Pfitzer, blue or green,	
18 to 24 ins.	2.25
24 to 30 ins.	2.75

Berckmans Arborvitae,	
24 to 30 ins.	2.00
30 to 36 ins.	2.25

Excelsa Arborvitae, 30 to 36 ins.	2.00
36 to 42 ins.	2.25

Spiny Greek Juniper, 24 ins.	2.00
Upright Junipers, 4 to 5 ft.	4.00

Burki	Keteleeri
Blue Haven	Pathfinder
Canaerti	Sneedi
Dundee	Welchi

Arizona Cypress, green, 4 to 5 ft. 4.00

Arizona Cypress, Gareii,
blue, 5 to 6 ft. 4.00

SEEDLINGS

Chinese Elm, 1-yr.	Per 1000
6 to 12 ins.	\$10.00
12 to 18 ins.	18.00
18 to 24 ins.	25.00
2 to 3 ft.	35.00

Chinese Arborvitae, 2 to 4 ins.,	
1-yr.	20.00

Austrian Pine, 2 to 4 ins. (Sold out)

Scotch Pine, 2 to 4 ins. (Sold out)

Juniperus Scopulorum, 2-yr.,	Per 100
10 to 12 ins.	\$5.00
12 to 18 ins.	(Sold out)

Juniperus Scopulorum	
1-yr., in 2 1/4-in. rose pots, 25c ea.	
Minimum order 100.	

Spirea vanhouttei	Per 100
18 to 24 ins.	\$25.00
2 to 3 ft.	30.00

Cydonia japonica, red	
18 to 24 ins.	25.00
2 to 3 ft.	35.00
30 at 100 rate	

M. MEYER NURSERY

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WICHITA 15, KAN.
Phone: Jackson 43413

ter, like those of the dahlia. It never dawned on me that the procedure was unknown to many until two or more growers asked about it during my recent trip through southern Michigan and northern Ohio. Just in case others may have missed on it, the fact is referred to now.

Salvia patens is well-named the gentian sage, because of its gentian-blue color. It also deserves all the good things ever said about it, because of its ease of culture in any sunny, well-drained spot; its large (to two inches long), showy flowers, and its blooming season, extending from July until frost. Farther south it may be kept in the open by mulching the tubers with peat moss. Propagation is from seeds, divisions or cuttings in spring.

Linaria Alpina

There is considerable good plant material to be found among the linarias, much more, in fact, than is apparent in nurseries and gardens. As mass producers are not interested in this class of plants, it is up to the neighborhood grower to supply them to gardeners and he is not meeting his obligations if he fails in that respect. The preceding sentence does not refer specifically to linarias; rather, it covers a wide range of plant material not suited to mass production. How monotonous our gardens would be if we were restricted to the plants which come off the big production lines! But let us get back to linarias.

Seeds of Linaria alpina planted during the first two months of the year will make generous flowering-size plants for sale during the active planting season in May and June and will continue in flower during the rest of the year until cut down by heavy frosts. It is one of the best of the easies for the rock garden or for forward positions in the perennial border, asking for no more than a light soil in sun or part shade. Furthermore, it is one of the best perennials which can be treated as an annual and should be made much of by the growers who cater to enthusiastic gardeners. It should be made clear that the plant is not reliably hardy this far north unless it is assured a good snow blanket; it usually perpetuates itself, however, by self-sowing; so one need seldom be without it once it has gained a foothold in a congenial spot in a friendly garden. As it is so free in its habit of self-sowing, one would naturally expect it to be a nuisance, but it is too lovely ever to gain that name.

One role that I have seen the

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- Quality Hedge
- Ideal for Canning
- "Filler" Shrub
- Cash-and-carry Sales
- Window Box Item

Small-leaved; broad, upright, dense growth; dwarf habit. Selected strain of the best quality.

Wide range of sizes

	100	1000
	rate	rate
2-in. pot	17c	15c
9 to 12 ins., 3-yr., TT.	40c	35c
12 to 15 ins., 3-yr., TT.	45c	40c
15 to 18 ins., 3-yr., TT.	70c	65c
18 to 24 ins., 4-yr., TT.	90c	85c

Bare root only

Ready for immediate shipment.

Minimum quantity: 100 pots or 50 B.R. shrubs, please.

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Hydrangea P. G.
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Shade Trees
Evergreens
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Peonies
Plum Seedlings
Lining-out Stock

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NEW PUSSY WILLOW SILVER CLAW

(Mutabilis Selection)

Excellent low-growing, extremely early-flowering variety. Catkins are long and slightly curved around stem when fully developed. Ideal florists' variety.

\$1.00 each.

BEARDSLEE NURSERY PERRY, O.



Quality Ornamentals
Since 1881

the Cole nursery company

2000 Jackson St.

PAINESVILLE, O.

plant play may be worth a little space here. As every experienced gardener knows, our climate makes the culture of many alpine a rather difficult task. Here is where our present plant can be used to good advantage. The alpine primulas, some of the saxifrages, some gentians and others, which we have to put on a northern slope or wall or give the protection of a large rock so the blistering sun will not wither our treasures, are further benefited by an interplanting of this linaria, its not-too-dense leafage providing just the right quantity of shade to save its delicate neighbors.

Next, linarias have the reputation of being too rampagous to be planted near small plants; actually *L. alpina* is restrained enough to be included in all except the choicest (perhaps frailest is a better word) company. In these associations one must watch to get harmonious blendings of colors. True *L. alpina* is a 3-inch plant with violet and orange snapdragons, but the plant has been quite promiscuous since it has come into gardens, and we now have what seedsmen call variety hybrids, growing to six inches in height, with a wide range of flower colors.

Geranium Incisum

Of native crane's-bills, *Geranium incisum* may, with a reservation or two, be classed with the best. One reservation is a slight tenderness to extreme cold which it manifested in trials here in northern Michigan years ago. Since it grows in the Pacific coast areas from California to Alaska, one would naturally think it would be fully hardy anywhere in the States, but in our trials years ago it needed protection if planted in exposed situations, though it was perfectly hardy in spots where snow was sure to stay on it until late spring.

Plants of the species vary in stature and color of flower, according to observers in its natural range. Plants that grew here remained, however, fairly constantly around a foot, rather than the two feet of which the floras speak, and showed little deviation from a light purple, revealing little of the pink and rose shades reported by some. It is a good garden plant, doing well in sun or light shade, and it stands considerable weather.

Verbena Hastata

The blue vervain, *Verbena hastata*, is a native which seems to have made no headway in gardens. That is no cause for wonderment, though, when one remembers that the Cyclo-

FALL LINERS

	Per 100	Per 1000	Per 1000 in lots
Colorado Blue Spruce, X, 9 to 12 ins.....	\$25.00	\$175.00	....
Colorado Blue Spruce, X, 6 to 9 ins.....	18.00	125.00	....
*Colorado Blue Spruce, 3-0, 5 to 10 ins.....	10.00	50.00	\$47.50
Colorado Blue Spruce, 3-0, 3 to 5 ins.....	6.00	30.00	28.00
Black Hills Spruce, X, 8 to 12 ins.....	22.50	150.00	....
Black Hills Spruce, X, 4 to 8 ins.....	15.00	90.00	....
*Black Hills Spruce, 3-0, 5 to 10 ins.....	7.50	35.00	33.00
Black Hills Spruce, 3-0, 3 to 5 ins.....	5.00	20.00	18.00
White Spruce, 3-0, 5 to 10 ins.....	7.50	35.00	....
White Spruce, 3-0, 3 to 5 ins.....	5.00	20.00	....
Norway Spruce, 3-0, 6 to 12 ins.....	8.00	40.00	....
Taxus Cuspidata Capitata, X, 8 to 12 ins. (from seed, individually sheared).....	65.00	....	....
Taxus Densiflora, X, 6 to 8 ins.....	50.00	....	....
Douglas Fir, X, 9 to 12 ins.....	25.00	125.00	....
Douglas Fir, X, 6 to 9 ins.....	15.00	75.00	....
Douglas Fir, 3-0, 3 to 8 ins.....	7.50	35.00	33.00
Douglas Fir, 2-0, 3 to 6 ins.....	6.00	28.00	25.00
Mugho Pine, 2-1, 3 to 5 ins.....	8.00	40.00	....
*Riga Scotch Pine, 2-0, 6 to 10 ins.....	10.00	36.00	35.00
*Riga Scotch Pine, 2-0, 4 to 8 ins.....	7.50	26.00	24.00
*Riga Scotch Pine, 2-0, 3 to 6 ins.....	5.00	22.00	21.00
Austrian Pine, 2-1, 4 to 8 ins.....	10.00	50.00	45.00
*Austrian Pine, 2-0, 3 to 6 ins.....	5.00	22.50	21.00
White Birch, XX, 3 to 4 ft.....	75.00

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MULTIFLORA ROSE—*Rosa multiflora japonica*

Thorny, upright type, propagated from mature midwest fences.

Our stands have never been better. With our improved irrigation and fertilization program, our plants are exceptional this year. Come by and see for yourself, but cover your needs promptly at any rate. We are booked more heavily than we have ever been at this time of the year.

	Per 1000
Conservation grade, 3 mm., 8 to 12 ins.	\$12.50
2/16 to 3/16-in. cal., 10 to 15 ins.	16.00
3/16 to 1/4-in. cal., 15 to 18 ins.	23.00
1/4 to 3/8-in. cal., 18 to 24 ins.	35.00

Plants will be top and root trimmed prior to shipping. All prices F.O.B. Elsberry. No packing charge.

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Hugh Steavenson, Prop.

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Trees, Evergreens, Shrubs Fruit Trees

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ROSEMARY WILLOW

(*Salix Rosmarinifolia*)

Very attractive fine-textured specimen shrub. Long narrow linear leaves, bluish-green above, white underneath. Stems rich mahogany. Compact upright growth.

Available in 3-yr., heavy stock...\$1.00 each.
BEARDSLEE NURSERY PERRY, O.

Wishing you a Merry Christmas and Prosperous New Year is a particularly happy experience for all of us at Siebenthaler's—for it was the enthusiasm of our friends which made 1955 the greatest year in our history.

With deep appreciation, we now look ahead to another year of friendly association.

With all good wishes of the season.

The Siebenthaler Co.
Nurserymen since 1870
DAYTON, O.

pedia of Horticulture does not mention it at all in the main text and Hortus calls it "weedy plants." My dictionary says that a weed is a "useless or injurious plant" and that weedy means "like a weed, scraggly or ungainly"; some wise botanist calls a weed "a plant out of place." None of these apply to our vervain, as I look at such matters. As an economic plant, the herbalists make much of it, and rightly so, according to my friend, the old professor, who has made a special study of the plant.

With regard to its ornamental value, I suppose the plant could become coarse if given too much encouragement (I have seen it five feet tall in rich, Ohio bottom lands), but in my light soil it remains close to two feet and is then an attractive plant. It grows naturally here in northern Michigan on dry hillsides or in moist meadows, producing its long spikes of pretty purple flowers during late July and August. The shade of purple (blue-purple to some) is not an undesirable color, and, all in all, the plant has many good qualities to recommend it, not the least of them being the fact that it blooms at a time when color is needed in the garden.

Shasta Daisy, Cobham Gold

I mentioned in this column two or three years ago, perhaps with tongue in cheek because I had only read of it in European publications, "a golden-toned Shasta daisy called Cobham Gold" and wondered just how golden-toned it would be. Well, I watched it through one growing season in the garden of a friend and its color can scarcely be called golden, except by courtesy, but it is a pleasing shade of soft, creamy yellow and a welcome break from the usual white Shasta.

RETAIL REPORTS

[Continued from page 9]

more snow and freezing weather than usual. With a little good weather, the fall business in western Pennsylvania will equal almost everyone's expectations.

"Our sales will show about an 8 per cent increase over last year's, so this will make 1955 our best year, with spring and fall business increasing at about the same rate. The past few years our fall business has come to represent about 40 per cent of our volume. This is almost double what it was some 10 years ago. The demand for the different types of plant material has remained about the same. Evergreen material leads the

Hydrangea P. G.
Hydrangea P. G. (Tree Form)
Ornamental Trees
Grapevines, 1-yr.

Thorne Brewster

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Let us quote on your requirements.

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FOR SPRING, 1956

Euonymus alatus	
24 to 30 ins., B.R.	1.00
24 to 30 ins., B&B	1.50
30 to 36 ins., B.R.	1.50
30 to 36 ins., B&B	2.00
Euonymus alatus compactus	
18 to 24 ins., B.R.	1.15
18 to 24 ins., B&B	1.50
24 to 30 ins., B.R.	1.40
24 to 30 ins., B&B	1.75
Euonymus carrierei erecta	
12 to 15 ins., B.R.	.35
12 to 15 ins., B&B	.60
15 to 18 ins., B.R.	.50
15 to 18 ins., B&B	.75

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THANK YOU ALL

for your overwhelming response to our ad for flatted stock. We are now completely sold out of this material until next year. Contact us at any time for superior holly liners.

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SPECIAL GRAPE CUTTINGS

Concord, Niagara and Delaware
Strong cuttings, tied with wire, 100 per bunch. Order early. Price now \$5.00 per 1000.

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Hardy Northern-Grown Stock at WHOLESALE

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way, with broad-leaved material becoming a bigger factor. Deciduous shrubs and trees have been moving well, especially trees; in which we cannot meet the demand. There has been a decided turning to the better, smaller and more compact types of deciduous shrubs and trees.

"Ground covers are having an ever-increasing demand. Hardy English ivy is especially in demand, with Hall's honeysuckle and myrtle a close second. This probably is due to our hilly terrain and the fact that home gardeners want to get away from mowing the lawn on the steeper slopes."

From the Pittsburgh area, Stanley Leonard, Leonard & Leonard, writes:

"Business at Pittsburgh is good, as it always is when the steel companies are operating at or near 100 per cent. However, the Westinghouse strike has had its effect on some nursery sales in the Pittsburgh district.

"Autumn business is not so important with us as spring business; we do considerable business in Dutch bulbs, and that has been better than last year's. This year's business will no doubt run 10 to 15 per cent more than last year's, but collections are a little slower.

"A 4-inch snow on November 19 slowed up planting for a day or so. The business we have booked now will keep us busy until the final freeze-up in December.

"The one phase of nursery planting that I marvel at is the apparent willingness for customers to pay high prices for extra-large rhododendrons and taxus. However, it is about as cheap to plant one large plant as it is to plant three smaller ones to do the same job."

Maryland Seeks Quality

Edward L. Stock, Stock Nursery, Bethesda, Md., reports a larger fall trade than in 1954, writing also:

"Fall is always an extremely important season in our retail nursery establishment, first, because it produces income second only to spring's;

SURPLUS SHRUBS IN LARGE QUANTITIES

Pink Almond
Spiraea Anthony
Waterer
Spiraea froebeli
Symphoricarpos
chenaultii
Symphoricarpos
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Symphoricarpos
vulgaris
Snowball
Hydrangea A. G.
Thompson Privet
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SHENANDOAH, IA.

Chipman's RED RHUBARB

Large No. 1 Divisions
\$20.00 per 75

Cash with order; packing free.
Write for prices on larger quantities.

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TREES SHRUBS
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Wholesale growers of a
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ARMINTROUT'S EVERGREEN NURSERY ALLEGAN, MICH.

Seedlings—Transplants
Finished Stock
Send for price list.

VICARY PRIVET

Lovely golden-leaved variety. Extremely adaptable for a striking border. Retains full golden color from spring to fall. Beautiful for rose bed borders. Should have full sun.

Per 10 Per 100 Per 1000
Liners in 2-in. pots \$2.00 \$18.00 \$150.00
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FALL, 1955

Fruit trees, shrubs, shade trees,
ornamental trees, evergreens and taxus.

QUANTITIES IN:

Arborvitae, Aurea Nana
Arborvitae, Dark Green American
Berberis Mentorensis
Birch, Weeping Cut-leaved
Cornus Florida
Cotoneaster Divaricata
Cotoneaster Apiculata
Crab Apple, Flowering
Euonymus Alatus Compactus
Euonymus Patens
Euonymus Vegetus
Juniperus Canaerti
Juniperus Columnaris
Juniperus Glaucia
Juniperus Keteleeri
Juniperus Pfitzeriana
Maple, Silver
Privet, Amur River North
Prunus Newport
Willow, Thurlow

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SMALL FRUIT PLANTS and VEGETABLE ROOTS

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BIG SUGAR MAPLE

We are offering, for your inspection, nursery-grown Sugar Maples, 4 to 9-in. cal. They have been transplanted three times. Seed was sown in fall of 1927.

We also have a good supply of Pfitzer Junipers in landscape sizes.

HOME NURSERY

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DWARF BLUE-LEAVED ARCTIC WILLOW

(Salix Purpurea Nana)

Beautiful, new hedging shrub for all northern localities. Will thrive in practically any type of soil. Has fine-cut, bluish leaf and makes spectacular low-to-medium hedge. Should have full sun to develop to maximum attractiveness.

Per 100 Per 1000
9 to 12 ins., 1-yr.\$12.00 \$100.00
12 to 15 ins., 1-yr. 15.00 125.00
15 to 18 ins. and up, 2-yr. 20.00 180.00

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20 MILLION TREES A YEAR!

FREE
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Fruit and Shade Trees, Shrubs and
Rhododendrons
Free Christmas Tree Growers' Guide

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second, because it presages to some extent what the following spring will bring, both as to supply and demand, and third, because it is a comfortable and more leisurely season in which to do planting (for plants are going into dormancy rather than coming out of it).

"Our business was good this fall, better than in previous fall seasons. Since we do a prestige business with established homeowners rather than new or real-estate work, we found our jobs averaging about the usual size—\$300 to \$500, but we found people were interested in quality and only secondarily in price. We found few people interested in do-it-yourself work. They wanted their planting and planning done professionally.

"We are finding supplies of top-grade plant material of select horticultural varieties still scarce; cheap material is plentiful. We find people especially interested in good shade trees. What to recommend is difficult for a conscientious landscape nurseryman, and where to find it after one has recommended it is even more difficult. Customers will accept second, third or fourth-rate material, as long as it casts shade. There is real opportunity for the growing of good shade trees."

Tennessee Has Good Fall

Richard H. Jones, Jones Ornamental Nursery, Nashville, Tenn., reports business good, but profit margin low, writing:

"Weatherwise, since the disastrous freeze in late March, this has been the best year in about five, particularly in the area around Nashville. More rain and less of the searing heat experienced for several years gave us a better growing season and, but for about six weeks' dry weather in August and September, losses in the nursery and, more particularly, in the gardens were very small compared to previous years. Many plants that were damaged by the March freeze made a good comeback.

"Fall rains and a mild fall gave both a good growth and good color to evergreens. Foliage of deciduous trees and shrubs had the best fall color they have had for several years.

"All sections around us were not quite so fortunate, and it was difficult to get stock purchased dug for early planting. Casualties of purchased stock, particularly broad-leaved evergreens, have been heavy. Areas to the south of us were dry until November.

"As to sales, we have had good business, though the cost in effort and overhead has probably kept

EVERGREENS

Lining-out and B&B Stock

**SHADE TREES
FLOWERING SHRUBS**



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50,000 SHADE TREES**Chinese Elm**

5 to 6 ft., 1/2-in. cal.	\$0.50
6 to 8 ft., 3/4-in. cal.75
8 to 10 ft., 1-in. cal.	1.00
1 1/4 to 1 1/2-in. cal.	1.50
1 3/4 to 2-in. cal.	2.00

Reduced price if in truckload lots.

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SMALL FRUIT PLANTS

Grapes

Currants

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69 Orchard St. FREDONIA, N. Y.

Stock that is hardy.

WHOLESALE

SUMMIT NURSERIES
STILLWATER, MINN.

profit to a low margin. The average orders are smaller and, though total volume is up, costs are too. Our backlog of calls and orders is good enough to carry us well into the winter; so, barring too severe a winter, the outlook is encouraging.

"Stock is plentiful, except large shade trees, which are scarce everywhere."

Alabama Leans to Spring

Local demands for fall planting exceeded last year's, suggests C. J. Hayden on the basis of sales to commercial planters, but the retail store sales declined. He explains conditions as follows:

"Our business this fall indicates a 10 per cent increase in sales of nursery stock over the fall of 1954. This increase is reflected in our wholesale business. Our retail store business has declined somewhat. However, this is not a fair estimate of the volume of the retail business in this area.

"The customer in these times wants personal service, and since we do not deliver or make any plantings, our retail trade has declined. On the other hand, we have a long list of small nurserymen and sellers of nursery stock who work in this area. Our sales to them indicate that the demand is in excess of business last season.

"The construction of new homes has continued as in the past, and I am of the opinion our spring business will show an increase over last year's. The majority of retail customers in this area prefer to buy their nursery stock during February and March. As of November 18, we had sold about 85 per cent of all our stock for this season."

Georgia Rose Shortage Seen

Fall sales were up this year, but spring trade is the bigger season in Alabama, declares Sam C. Hjort, president, Thomasville Nurseries, Inc., Thomasville, writing:

"Roses and camellias, our specialties, amount to fully 80 per cent of our business, and sales of these are running about 10 per cent ahead of sales in the fall of 1954.

"Autumn business is very important, but our spring business is usually the larger volume. However, it may not be the case next spring, since there are not enough good roses available in the south this season."

Florida Volume Normal

"At the present time, business is about normal," writes Charles R. Wedding, Charles R. Wedding Nurseries, St. Petersburg, Fla. He adds, "Competition is keener. There is

Season's Greetings



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JUNIPERUS VIRGINIANA

(Red Cedar)

	Per 100	Per 1000
6 to 12 ins.	\$2.50	\$20.00
Understock grafting grade	3.50	30.00

VINCA MINOR

Made up clumps,		
7 to 15 leads	4.00	35.00
10 to 20 leads	6.00	50.00

We can ship any time, fall or spring. Send your order now.

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Made for Nurserymen

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Penta-treated and securely wired together to provide either 50 or 70 per cent shade.

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CHINESE CHESTNUT TREES

Seedlings only of the Peter Lui strain, in 1-yr. whips, from 6 ins. to 4 ft. Your inquiries invited.

LEELAND FARMS
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For Fast, Profitable Garden Center Sales

ARP Packaged PECAN TREES Full-Rooted Grafted Popular Varieties

... Success, Stuart, Mahan, Schley, Texas Prolific, Moneymaker, Moore, Western Schley, Burkett, Delmas. Shade, beauty and a valuable nut crop. Six sizes from 18 ins. to 8 ft., packed in eye-appealing waterproof bag. Eliminate heel-yard headaches—stock ARP packages. Free sales aids.

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Bare-root pecan stock also available.

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Wholesale Growers
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ARP Roses too!
A. A. R. S. Winners
and 100 other popular
varieties. Pack-
aged or bare-root.

more loss-leader merchandising this year. The year 1955 is 30 per cent ahead of 1954 in volume, with profit about the same."

Industrial Plantings Aid

Industrial landscaping has been important in sales at Norfolk, Va., reports W. L. Winn, Winn Nursery, Inc., who tells of increases in the year's trade as follows:

"Our autumn sales run about the same as our spring sales. In this area we have a late fall and cannot plant so early as in some sections, but do plant practically all winter. Both spring and autumn sales are well ahead of last year's, and we find a heavy demand for finished specimen stock. We have noticed a particular increase in sales to industrial plants where we do a complete landscape job.

"We had a dry summer in this area, with good rains beginning in August.

"Norfolk is full of housing projects, but few of them include much expenditure for landscape work; eight plants of practically any type seem to be all that is required. We have three of the larger projects, allowing \$35 to \$50 per house.

"At this time it looks as if the demand next year will be as great as or greater than this year's."

Big Michigan Increase Reported

John S. Stark, Stark Nursery, Midland, Mich., sees fall sales as one-half the firm's yearly total, commenting:

"There has been a general shortage of quality merchandise, especially in the larger deciduous trees and specimen plants. Increase of businesses in this area has created a demand for new homes at an unprecedented rate. Consequently, the demand for nursery stock has often exceeded the supply. Our sales are running 75 per cent higher for the year than they were last year.

"We find that our autumn business runs almost 50 per cent of our total volume of business for the year. Contributing factors are our newly built modern garden center and the employment of a full-time graduate landscape architect. We are able to give better service than ever before, in spite of the fact that we have been handicapped by a shortage of landscape foremen and labor."

Cincinnati Report

For the Wyoming Nurseries, Cincinnati, O., Carl E. Kern, Jr., reports: "Fall activity was slow to start this year, but after the second week in October it rapidly increased. I think most of the early lag was due

EXTENSIVE GROWERS OF...

- FRUIT TREES (also dwarf)
- SMALL FRUITS
- NUT TREES
- FLOWERING TREES
- SHADE TREES
- SHRUBS
- EVERGREENS
- CALIFORNIA GROWN ROSES
- HEDGES and VINES

Ozark
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SINCE 1899

All under irrigation. Large mechanical digger assures entire root system. New 95' x 160' cold storage, keeps stock in perfect condition. Visit our nursery and see the superior quality of our stock. Book orders now for Fall and Spring delivery.

White for...
complete Wholesale Catalog with attractive prices

TAHLEQUAH, OKLAHOMA

CHINESE CHESTNUTS

Seedling-grown

Seedlings	Per 100 Per 1000	
18 to 24 ins.	\$ 25.00	\$ 200.00
2 to 3 ft.	30.00	275.00
3 to 4 ft.	40.00	350.00
Transplants		
2 to 3 ft.	45.00	400.00
3 to 4 ft.	55.00	500.00
4 to 5 ft.	70.00	650.00
5 to 6 ft.	90.00	800.00
6 to 8 ft.	125.00	1000.00

FAIRVIEW EVERGREEN NURSERIES
FAIRVIEW, Erie Co., PA.

SEEDS

Collectors of Tree, Shrub and Wild Flower Seeds
Crude Drugs and Ornamentals

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WE SPECIALIZE IN FINE Azaleas and Camellias

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FLOWERWOOD NURSERY
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MORNING STAR NURSERY

Rives, Tennessee
Wholesale Growers
Evergreens, Trees
Deciduous Shrubs, Roses
Send us your want list

to unusually hot and dry weather in September and early October.

"Our sales for the first six months of this year were off 15 per cent as compared to 1953 and 1954. Again, this was mostly attributable to weather and not the lack of business. By the end of this fall we will offset the spring loss."

Late Fall in Illinois

A satisfactory growing season, a good demand for quality stock and sustained sales after a late fall start are highlights in the following report by Eugene de St. Aubin, president, Eugene A. de St. Aubin & Bro., Inc., Addison, Ill.:

"Providentially, this year we were not visited by any disasters such as occurred in some parts of the country, and notwithstanding the excessive and enduring heat of the summer that broke all existing records of our weather bureau, we are most thankful that we can term the 1955 growing season here satisfactory.

"In early fall substantial rainfall replenished the soil with moisture, but these rains came a little later than usual, which necessarily postponed the start of the digging season well into September. Once the season did commence, business was well sustained. Transplanted trees were in heavy demand, and the better grades of evergreens, as well as the ornamental shrubs, gave a good account of themselves. While not a great deal is expected of fruit stocks in the fall, that item turned out to be very poor. Nevertheless, all in all, even though the season will be shorter than the average, because of a late start and early freezing weather interruptions, from the reports up to November 21, business bids fair to equal, if not to exceed, the same period of the previous year.

"In a highly seasonal occupation such as we all have, where it is necessary to hire extra hands for a relatively short period of time, the labor problem, I am sure, will always be with us. However, this fall we were able to wade through satisfactorily, and, there is reason to believe, to the satisfaction of our customers as well."

Conditions have never looked more prosperous in 30 years, writes Elmer Spencer, Springfield, Ill., adding:

"We had a rather dry summer, but it seems to have little effect on the fall retail business. People want plants, and even the adverse weather discourages them little. We had a good increase in volume last spring, and fall business is running ahead

INSURE THE STANDS IN YOUR NURSERY ROWS BY PLANTING OUR CHOICE POTTED LINING-OUT STOCK

Well Established in Dowfume MC-2 Sterilized Soil.

Write for our complete list today.

Prices are reasonable.



T. G. OWEN & SON, INC. COLUMBUS, MISS.

See our classified ad under lining-out stock.

COMPLETE WHOLESALE PRICE LIST NOW READY FOR MAILING

LINING-OUT and FINISHED STOCK

TREES — FLOWERING SHRUBS
PRIVET — VINES — EVERGREENS

Write for your copy today if not on our mailing list.

FOREST NURSERY CO., INC.
McMINNVILLE, TENN.

CHINESE CHESTNUT TREES in all popular sizes for retail sales. Lining-out stock in 1 and 2-year-old, from 6 to 24 inches.

THE GOLD CHESTNUT NURSERY

Wholesale Grower
COWEN, WEST VIRGINIA

Trade list mailed on request.

SEEDS

for the Nurseryman and Forester.
Write for catalog.

F. W. SCHUMACHER, HORTICULTURIST
SANDWICH, MASS.

SHRUBS

	Per 10	Per 100
BARBERRY, THUNBERGI		
3-yr., 15 to 18 ins., T.....	\$3.00	\$25.00
3-yr., 18 to 24 ins., T.....	4.00	35.00
3-yr., 24 to 30 ins., T.....	5.00	45.00
BUDDELEIA—Charming, Ile de France, Mt. Everest, white		
2-yr., No. 1	3.50	30.00
BUSH HONEYSUCKLE— morrowli, tatarica rubra		
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.00	45.00
CALLICARPA PURPUREA		
3 to 4 ft.	6.50	60.00
CORALBERRY, CHENAULTI		
3 to 4 ft.	4.50	40.00
CRABE MYRTLE, pink, lavender		
2 to 3 ft.	7.50	70.00
DEUTZIA—Pride of Rochester and crenata		
3 to 4 ft.	5.00	45.00
4 to 6 ft.	7.50	70.00
DOGWOOD—Red Stem and gold stem		
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.00	45.00
4 to 6 ft.	7.50	70.00
FORSYTHIA, dwarf (Forsythia compacta nana) Excellent shrub for rambling-type homes.		
15 to 18 ins.	3.50	30.00
18 to 24 ins.	5.00	45.00
FORSYTHIA—fortunei, spectabilis, suspensa, viridissima		
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.00	45.00
4 to 6 ft.	7.50	70.00
FORSYTHIA LYNWOOD GOLD		
2 to 3 ft.	6.50	60.00
FORSYTHIA SPRING GLORY		
2 to 3 ft.	4.50	40.00
3 to 4 ft.	6.00	55.00
4 to 6 ft.	8.00	75.00
HYDRANGEA, standard blue		
2-yr.	5.00	45.00
HYDRANGEA NIKKO BLUE		
2-yr.	7.50	70.00
MOCK ORANGE, common		
3 to 4 ft.	5.00	45.00
4 to 6 ft.	7.50	70.00
FUSSY WILLOW		
2 to 3 ft.	5.00	45.00
3 to 4 ft.	7.50	70.00
ROSEMARY WILLOW		
3 to 4 ft.	5.00	45.00
4 to 6 ft.	7.50	70.00
REGEL PRIVET		
24 to 30 ins.	5.50	50.00
SNOWBERRY		
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.00	45.00
SPIRAEA—Korean and Reeves		
2 to 3 ft.	4.50	40.00
3 to 4 ft.	6.00	55.00
SPIRAEA VANHOUTTEI		
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.00	45.00
WEIGELA ROSEA		
2 to 3 ft.	4.50	40.00
3 to 4 ft.	6.00	55.00
4 to 6 ft.	7.50	70.00

Write for complete Wholesale Price List.

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WAYNESBORO, VIRGINIA



FINISHED STOCK and LINERS

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5 miles west of city on Broad St. Road

WELLER'S PERENNIALS

With That Wonderful Root System

Headquarters for

HARDY MUMS AND PHLOX

Ask for our Perennial Catalog.
WELLER NURSERIES CO., Inc.Leading Perennial Growers
HOLLAND, MICH.

of last year's, but not by so large a per cent as spring did.

"There are not so many homes being built in our area, but the homes are better and we get a little more business per unit. Things look bright for spring. I have been in business 30 years and never saw conditions look more prosperous."

This year's fall trade compared favorably with last year's, declares Richard P. Theidel, Hinsdale Nurseries, Inc., Hinsdale, Ill. He comments:

"After a rather slow start in September, business picked up to normal the first part of October."

"By the middle part of October, when I returned from a four months' trip to Germany, Austria and Switzerland, where I found most nurseries, especially those in West Germany, in a prosperous condition, orders kept us very busy, especially in the landscape department, which accounts for about 65 per cent of our business."

"Having a good supply of stock, we were able to fill most orders without trouble. Trees in sizes from 3½ to 6 inches in diameter were scarce."

"Spread of disease in the American elms last season in the Chicago area affected the sale of such trees, and we hope this will be a short-lived condition, since the public has been aroused and instructed how to combat conditions."

"The total business compares favorably with last fall's."

H. S. Reid, Holm & Olson, Inc., St. Paul, Minn., places fall volume on a par with spring sales, writing: "Our fall business equals spring business, with fall business being more profitable. We have had a good year. The volume was about the same as in 1953 and 1954."

"Our industrial work is a great help in building volume. It is profitable if you select your jobs."

"Our bulb sales and plantings were off this season and will continue to be off as long as department stores, chain stores and nursery sales lots offer bulbs at a price."

"Our cash-and-carry business is off some," writes L. C. Gatewood, Leavenworth Nurseries, Leavenworth, Kan. "Landscape business, where we go out and sell the customer, is up about 30 per cent. It seems that people want us to do all the planting. However, that may be a local condition."

Nebraska Drought Effect

A temporary lag in sales is reported by J. B. Haggerty, Haggerty's Landscape Nursery, Lincoln, Neb.,

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PLANT PAT. NO. 993 R

We have the sales helps you need to sell and profit from this popular everbearing strawberry. Write today for complete information on Pack-Out, Bulk shipment and over-the-counter packages. A complete line of strawberry and perennial plants.

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JUDSON

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**Heavy Shrubs
Juniper Grafts
Lining-Out Stock
Specimen Evergreens
SNEED NURSERY CO.**

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OKLAHOMA CITY 1, OKLA.

The Best Is Cheaper in the
Long Run

Try Chase for Ornamentals

CHASE NURSERY CO.
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Since 1889



Azaleas, Camellias
and Magnolias
our
specialties.

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YOU WILL LIKE THE QUALITY OF NAUGHER'S

PINK DOGWOODS

	Each
12 to 18 ins., 1-yr., bare root	\$0.75
18 to 24 ins., 1-yr., bare root	1.00
24 to 30 ins., bare root	1.25
30 to 36 ins., bare root	1.50

NAUGHER'S Pink Dogwoods are dormant budded on transplanted seedlings, insuring heavy root systems, good caliper and well-branched trees. Our grading is very liberal. All orders will be promptly acknowledged, greatly appreciated and expedited with personal supervision.

NAUGHER'S field-grown evergreen liners are produced under ideal conditions—properly irrigated, cultivated, fertilized, root-pruned—thus, a hardy, well-rooted liner. Our liners are dug, graded and made ready for shipment within a 48-hour period. NAUGHER'S packing is free when cash accompanies order. Fifty or more plants at 100 rate; 300 or more at 1000 rate.

DON'T DELAY . . . BOOK YOUR ORDER NOW . . . FALL OR SPRING DELIVERY



NAUGHER NURSERY CHASE, ALA.

Telephone Huntsville, Ala.
JEfferson 2-2061

FIELD-GROWN EVERGREEN LINERS

	Each	Per 100	Per 1000
Andorra Juniper, 1-yr., 6 to 12 ins.	12 1/2c	10c	
Ashford Juniper, 1-yr., 6 to 12 ins.	12 1/2c	10c	
2-yr., 6 to 18 ins.	17 1/2c	15c	
Fastigiata Juniper			
1-yr., 6 to 12 ins.	12 1/2c	10c	
2-yr., 6 to 18 ins.	17 1/2c	15c	
*Greek Juniper, 1-yr., 6 to 12 ins.	12 1/2c	10c	
Hetz Juniper, 1-yr., 6 to 12 ins.	17 1/2c	15c	
Irish Juniper, 1-yr., 6 to 12 ins.	12 1/2c	10c	
*Pfitzer Juniper, 1-yr., 6 to 12 ins.	17 1/2c	15c	
*Compact Pfitzer Juniper			
1-yr., 6 to 12 ins.	17 1/2c	15c	
Savin Juniper, 1-yr., 6 to 12 ins.	12 1/2c	10c	
2-yr., 8 to 15 ins.	17 1/2c	15c	
*Root-pruned.			

who states drought made some fall digging unwise. A big spring is forecast, in his following comments:

"Our business was very good for the spring months. In fact, it was about half again the volume of the previous spring. Our autumn sales, however, are lagging far behind. We attribute this directly to our long-continued drought. In this locality it is the worst for many years. With the soil as dry as it is, as winter starts, we do not wish to sell much nursery stock, especially in the larger sizes, for it would likely mean replacement in the spring and dissatisfaction on the part of the customer.

"We do not feel that this is anything but a temporary situation, and we are planning on a much bigger volume of business next spring."

Report from Nebraska

Conditions in Nebraska are related by Vernon Marshall, Marshall Nurseries, Arlington, Neb., as follows:

"We do not do much fall business in this area. We do considerable planting of landscape jobs in Omaha, where we do the planting ourselves, but make very few, if any, shipments out over our territory to customers. We have done as much as or more than we usually do this fall, and our bookings of orders for

TREES of REPUTATION

If you live in west Texas, New Mexico, Colorado, western Oklahoma—you can't afford not to plant our evergreens, shade trees and shrubs. Properly grown; properly balled and burlapped; well dug with plenty of good roots. Rich soil. Only hardy varieties grown; specializing in Junipers. Several thousand to offer, landscape grades.

Nursery located 63 miles east of Amarillo, Tex., and 7 miles northwest of Alanreed, Tex., on Farm Road 291; 28 miles south-east of Pampa, Tex., on 291. Amarillo Div. 1616 Western.

Mailing address and nursery:

BRUCE NURSERIES ALANREED, TEX.

15,000 SPECIMEN B&B EVERGREENS

CANADIAN HEMLOCK—sheared, sizes 2 to 6 ft.

JUNIPERS—Pfitzer, Hill's Golden, compacta, Von Ehron, hetzi and hibernica.

TAXUS—andersoni, wardii, hicksi, hatfieldi, browni, media, wymani and cuspidata. Landscape sizes up to 3 ft.

Write for prices.

Loaded to trucks F.O.B. nurseries.

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**MEYER
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Round Grass Plugs

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**Specializing in B&B Evergreens
BROAD-LEAVED and CONIFERS**

Catalog on Request.

LINDLEY NURSERIES, Inc.
P. O. Box H GREENSBORO, N. C.

SURPLUS STOCK

Per 100 Per 1000

Abelia grandiflora

(Glossy Abelia), field-grown

12 to 18 ins., C.....	\$ 9.00	\$ 80.00
12 to 18 ins., 2 br.	11.00	100.00
18 to 24 ins., 3 br.	16.00	150.00
2 to 3 ft., 4 br.	25.00	.....

We have over 50,000 of two and three-year-old Abelia. Let us book your order while they last.

Hydrangea paniculata grandiflora

(Peegee Hydrangea)

6 to 12 ins., C.....	6.00	50.00
12 to 18 ins., 2 br.	9.00	80.00
18 to 24 ins., 3 br.	16.00	150.00
2 to 3 ft., 4 br.	25.00	.....

Spiraea vanhouttei

(Van Houtte Spiraea)

6 to 12 ins., C.....	3.50	25.00
12 to 18 ins., C.....	4.50	35.00
12 to 18 ins., 2 br.	6.00	50.00
18 to 24 ins., 3 br.	8.50	75.00
2 to 3 ft., 4 br.	20.00	.....

Cornus florida

(White-flowering Dogwood)

	Per 10	Per 100
2 to 3 ft., whips	\$ 3.00	\$ 20.00
2 to 3 ft., well-br.....	5.00	40.00
3 to 4 ft., well-br.....	8.00	70.00
4 to 5 ft., well-br.....	11.00	100.00

NATIVE EVERGREENS

Rhododendron maximum, Kalmia latifolia, Ilex opaca, Tsuga canadensis

	Per 100	Per 1000
3 to 6 ins., S.....	\$3.00	\$20.00
6 to 9 ins., S.....	4.00	30.00
9 to 12 ins., S.....	6.00	50.00
12 to 18 ins., S.....	8.00	70.00

CUMBERLAND PLATEAU NURSERY

Rt. 1, CROSSVILLE, TENN.

QUANTITY AND QUALITY-GROWN CONTAINER PLANTS

Economical Delivery
Long Counts
Generous Discounts
Top Grades

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Your Profits Grow in Verhalen Plants

PROPAGATION OF PLANTS, by Kains and McQueen. Nursery and greenhouse reference, 637 p., \$5.00.

American Nurseryman

Chicago 4.

spring delivery are ahead of a year ago, indicating that we should have a satisfactory volume for the year, come next spring. This part of the midwest was very dry all summer and fall; so we are urging our customers to do a thorough job of watering their stock before the ground freezes up for the winter. This applies to all customers who purchased stock from us last spring.

"Visiting with other nurserymen in this area, I get the idea that business generally is satisfactory and in many instances ahead of a year ago. Even though we have been somewhat concerned by low prices for agricultural commodities, our business has not been affected to any extent as yet."

"Greatly Increased"—Missouri

Kenneth Haysler, Cloverset Flower Farm, Kansas City, Mo., tells of greatly increased fall sales, writing November 18 as follows:

"We can hardly think of terms suitable to describe our business this fall. It is greatly increased over any previous fall season, both as to cash-and-carry trade and landscape contracts. Due to the tremendous amount of home building in the Kansas City area, including many homes in the \$35,000 to \$50,000 class, the demand for nursery stock has been unprecedented. We have found prospective customers anxious to beautify their homes, and for the most part they are willing to pay good prices for good stock carefully planted.

"The demand for shade trees has been very good, and we are at the present time busy delivering and planting trees and materials for shrub borders and foundation plantings.

"While our spring business still surpasses that of the fall, because we have so much more stock to sell in the spring, our fall business is increasing each year. We have done considerable advertising to encourage fall planting of fruit and shade trees and flowering shrubs and completing other landscape work. We have been using radio in addition to our regular newspaper and direct-mail advertising."

The Wilkerson Nursery, Columbia, Mo., had the best spring trade on record, and fall trade promises to top all others, writes R. K. Wilkerson in the following report:

"We do about 50 per cent of our evergreen business in the fall and 50 per cent in the spring, but only 5 per cent of the deciduous sales in the fall and 95 per cent in the spring.

"Our spring business was the best

FOR SPRING, 1956

Nursery-grown and Collected

Seedlings and Seedling Clumps

Rhododendron catawbiense
Rhododendron maximum
Rhododendron carolinianum
Kalmia latifolia (Mountain Laurel)
Leucothoe catesbaei
Tsuga canadensis
Tsuga caroliniana
Abies fraseri
Pinus strobus

B&B Clumps

Rhododendron catawbiense
Rhododendron maximum
Rhododendron carolinianum
Azalea vaseyi
Azalea nudiflora
Azalea calendulacea
Kalmia latifolia
Leucothoe catesbaei
Tsuga canadensis
Tsuga caroliniana
Oxydendrum arboreum
Abies fraseri
Pieris floribunda
Pinus strobus
Cornus florida

Cutback Stock (Pans)

Rhododendron catawbiense
Rhododendron maximum
Rhododendron carolinianum
Kalmia latifolia
Leucothoe catesbaei
Azalea calendulacea
Azalea vaseyi
Azalea nudiflora
Azalea arborescens
Pieris floribunda

White Pine and Balsam trees for Christmas.

ORDER TODAY FOR SPRING!

Samples on request.

ANTHONY LAKE NURSERY, INC.

Pineola, N. C.

Phone: Newland, N. C.,
REpublic 3-4542

EARLY BLOOMING

AMARYLLIS

JUMBO SIZE BULBS

Jumbo size bulbs treated in Holland for fast blooming. Photo to right shows flower bud already fully developed — blooms 6 to 8 weeks after potting.



Prepared VIVID RED or ORANGE
3 for \$5.00 10 for \$15.00

Prepared PURE WHITE
3 for \$5.40 10 for \$17.50

LATER BLOOMING AMARYLLIS (ROYAL DUTCH)

VIVID RED, SCARLET or ORANGE
3 for \$3.60 10 for \$11.50

SALMON or PINK
3 for \$4.00 10 for \$12.50

PURE WHITE 3 for \$4.10 10 for \$13.00

F.O.B. ROSLYN HEIGHTS, N. Y.

STASSEN FLORAL GARDENS, Inc.
DEPT. 31 ROSLYN HEIGHTS, N. Y.



AZALEAS

Broad-leaved Evergreens and a general line of quality ornamentals.

THE TANKARD NURSERIES
EXMORE, VA.

that we ever experienced, and our fall business promises to exceed any previous fall trade. We have had perfect weather this fall for digging. We have been able to dig every day.

"With irrigation used this summer for the first time, plus intensive cultivation, we have 1-year liners that can be dug this fall. We feel that we have saved a year's growing time by the timely application of moisture."

Iowa Improvements

Iowa sales and collections are improved, writes Harold J. Parnham, Robinson & Parnham, Des Moines, Ia., in his comments as follows:

"So far, for the last six months of the year, or what we call fall business starting July 1, our merchandise sales from our garden center have increased 24 per cent over 1954 fall; our nursery sales, 11 per cent. Our professional sales for work of our landscape architects is approximately the same, but our sales for labor have decreased about 11 per cent. This indicates a trend which I believe is national and affects other industries than the nursery business, that is the do-it-yourself program. This decrease does not worry us in the least, because from our experience it is impossible to make a profit on landscape labor.

"Another bright spot in our books is that collections are 15 per cent better than a year ago. This, I believe, is contrary to the average experience. While we have not had time to figure it up as of now (November 23), I think by December 31 our collections will be somewhat better than a year ago, when the average account receivable was about 45 days old. We bill on a 30-day basis, and I think this year we will come nearer the 30 days than

PINK DOGWOOD WHITE DOGWOOD

1, 2 and 3-yr.-old.

Evergreens
Broad-leaved Evergreens
Shade Trees
Flowering Crab Apples
Flowering Shrubs
Fruit Trees

Let us quote on your requirements.

HAWKERSMITH & SONS NURSERY
TULLAHOMA, TENN.

WHAT'S YOUR JOB? HOLLIES WILL HELP.

ILEX CRENATA,	Per 100
Field-grown, 12 to 15 ins., B&B	\$125.00
ILEX CRENATA BULLATA (Convexa),	
Gallon can, 8 to 12 ins.	75.00
ILEX CRENATA ROTUNDIFOLIA,	
Gallon can, 8 to 12 ins.	75.00
Field-grown, 10 to 12 ins., B&B	60.00
Field-grown, 12 to 15 ins., B&B	100.00
Field-grown, 15 to 18 ins., B&B	120.00
Field-grown, 18 to 24 ins., B&B	155.00
ILEX CORNUTA BURFORDI,	
Field-grown, 12 to 18 ins., B&B	115.00
Gallon can, 12 to 18 ins.	125.00
ILEX VOMITORIA (Yaupon), grafted, berry-producing, sheared type.	
Field-grown, 12 to 18 ins., B&B	135.00
Field-grown, 18 to 24 ins., B&B	195.00
Field-grown, 2 to 3 ft., B&B	275.00
ILEX OPACA EAST PALATKA, grafted	
Field-grown, 3 to 4 ft., bare-root	155.00
Field-grown, 4 to 5 ft., bare-root	275.00
Field-grown, 5 to 6 ft., bare-root	400.00
Field-grown, 3 to 4 ft., B&B	325.00
Field-grown, 4 to 5 ft., B&B	500.00
Field-grown, 5 to 6 ft., B&B	725.00
ILEX OPACA, HOWARD and CROONENBURG, grafted	
Field-grown, 3 to 4 ft., bare-root	180.00
Field-grown, 4 to 5 ft., bare-root	325.00
Field-grown, 5 to 6 ft., bare-root	450.00
Field-grown, 3 to 4 ft., B&B	425.00
Field-grown, 4 to 5 ft., B&B	600.00
Field-grown, 5 to 6 ft., B&B	825.00

All F.O.B. Glen Saint Mary, Fla. New customers, cash with order, please. 50 or more plants take 100 rate. Illustrated wholesale catalog for 1955-56 available on request.

GLEN SAINT MARY

DEPENDABLE SINCE 1882

Nurseries Company

GLEN SAINT MARY, FLORIDA

Dept. 20

LINERS

FROM OPEN BEDS
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Foremost in intermittent mist propagation.
Originator of the Electronic Leaf Control.



HARVEY TEMPLETON, JR.

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U.S. HWY. 66-41A
WINCHESTER - TENNESSEE

Finest Quality
PERENNIALS and SHRUBS
Write for complete trade list.
KINGWOOD NURSERIES
MENTOR, O.

**RARE and UNUSUAL
BULBS**
FREE list on request
GROWERS EXCHANGE, Inc.
FARMINGTON 8, MICHIGAN

JUNIPER GRAFTS

Spring, 1956, delivery.

VARIETIES: Canaerti, Burki, Dundee, Glauca and Keteleeri, grafted upon *Juniperus virginiana* understock. 45c, packing at cost.

PAUL ARTERBURN NURSERY

P. O. Box 72

ST. MATTHEWS 7, KY.

BURLAST

Ball Sound

Proof.

BALL SOUND

HEALTHY ROOT GROWTH

BURLAST WATER MIXED COMPLETELY 5:1 PER BALL

COST LESS THAN 1¢



Burlast is a dry powder to be mixed in water for treating burlap. Burlast-treated ball wraps resist rot and decay from three to six months to prevent broken balls and ruined plants. Burlast is ideal for the retail yard that grows its own stock; perfect for the wholesaler who seeks ways to improve his service and his stock. Burlast is effective, safe, economical, practical.

Write for full information and prices today.

HILL'S NURSERY, Burlast Division, P. O. Box 43, VICTORIA, TEXAS

Member: American Association of Nurserymen
Texas Association of Nurserymen
Texas Landscape Association



Illustrated is a Gardenia Mystery plant stored more than five months in shavings and soil mixture.

50,000

LONICERA FRAGRANTISSIMA

Semi-evergreen. Excellent for hedge or screening.

Well Branched

2 to 3 ft., 4 to 6 canes \$30.00 per 100
3 to 4 ft., 4 to 6 canes 35.00 per 100

Moraine Locust (Pat. No. 836)

5 to 6-ft. whips to 1 1/4-in. transplants

Prices on request.

HILLENMEYER NURSERIES

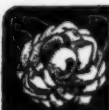
LEXINGTON, KY.

THE KENTUCKY JUNIPER GRAFTERS ASSN.

invites your inquiries for Juniper grafts and other liners. Upon request, we will gladly mail you a list of propagators in Kentucky, after which you may contact your favorite grower. Address inquiries to: T. C. CRUME NURSERY & LANDSCAPING CO., Hwy. 42, FLORENCE, KY.

Please Mention AMERICAN NURSERYMAN When Writing Advertisers.

COMMERCIAL Nursery Co.
ESTABLISHED 1900
Decherd, Tennessee



SEMME'S NURSERIES

AZALEAS - CAMELLIAS

and other choice evergreens

Wholesale Catalog SEMMES, ALA.

CANNED PLANTS

Build profits with Wight's container-grown evergreens. Wide assortment, including Ilex, Magnolia, Camellias, Pyracantha. Ask for wholesale list.

Wight NURSERIES CAIRO, GA.

we did a year ago. This has been the trend of our accounts receivable for about four years. In other words, payments have gradually been improving, and the time that an account is carried on our books has been growing shorter, which is a healthy situation.

"I believe evergreens took a bigger jump this fall than did deciduous sales."

Kansas Gain

Favorable weather has been important in increasing fall business one third this year, states Frank Pflum, Shawnee Nurseries & Landscape Co., Shawnee, Kan. He adds:

"We never have the volume of business in the fall that we do in the spring. This stems from the fact there are not as many kinds of nursery stock that can be sold in the fall, we have such a short planting season after the deciduous stock goes dormant and we never have as large a number of shoppers going through the nursery in fall as in the spring. Consequently I should say our spring business is most important to us. This year's spring business was a little over last year's, and it looks as though our fall business will be at least one third larger than last fall's. I believe the increase in business is due to more favorable weather conditions."

Fall Up, but Year Down

W. J. Layton, Northwest Nursery Co., Valley City, N. D., writes: "We have just completed our fall deliveries, with sales about 10 per cent above a year ago. We have had a good growing year, and as of November 1, advance spring sales for 1956 were up about 10 per cent."

"Our 1955 volume was less than in 1954. The decrease was due in part to the early spring drought in this section."

"Prospects for 1956 are very promising. Landscape work now accounts for 90 per cent of our sales."

"Due to climatic conditions in the Denver area we avoid all planting jobs in the fall," states Mrs. Bert G. Clarke, Roberts Nurseries, Inc., Littleton, Colo., adding: "We do principally construction work in the fall under one of our other companies. Replacement costs, according to our records, are twice as much for fall planting as in the spring."

[Continued on page 60]

SPERRY BROOK NURSERY, 89 East Lake avenue, Massapequa Park, N. Y., is the name of a new hemlock nursery being started by E. Margust.

FLOWERING CRAB APPLES

ALAMEDA, purple-rose flowers, wine-red fruit

ALMEY, fiery-crimson flowers, maroon fruit

ARROW, purplish-red flowers, red fruit

ATROSANGUINEA, carmine flowers, reddish fruit

BACCATA, white flowers, red or yellow fruit

ELEYL, vinous-red flowers, purplish-red fruit

FLORIBUNDA, rosy-white flowers, yellow and red fruit

FLORIBUNDA PURPUREA, purplish-red flowers, purplish-red fruit

GENEVA, purplish-red flowers

GLORIOSA, purplish-red flowers, bright red fruit

HOPA, rosy flowers, red fruit

MAKAMIK, China rose flowers, purplish-red fruit

NIEDZWETSKYANA, purple-red flowers, bright red fruit

RED SILVER, China rose flowers, purplish-red fruit

SCHEIDECKERL, pale pink flowers, yellow to orange fruit

CORNUS FLORIDA RUBRA

(Pink-Flowering Dogwood)

Growers of a complete line of general nursery stock.

THE SOUTHERN NURSERY AND LANDSCAPE CO., INC.

WINCHESTER, TENN.

Established 1872

Telephone: 2302

SAN ANTONIO SHOW

The San Antonio Nurserymen's Association's fall show was presented in the Municipal Auditorium, San Antonio, Tex., November 8 to 10. Over 2,000 plants were shown, in more than 200 varieties, all suitable for use in the local area. All plants were labeled by name and as to use in landscape design. The public received the show well, and the association is now planning a similar exhibition for next year.

SMITH NURSERY EXPANDS

C. O. Smith Landscape Nursery, Wichita Falls, Tex., has opened expanded facilities, including a new sales building, a greenhouse, large outdoor beds and two and one-half acres of flowers and shrubbery.

In 1949, C. O. Smith resigned his position with a Wichita Falls bank and opened the C. O. Smith Landscape Nursery. Associated with Mr. Smith are two sons, C. O. Smith, Jr., who was granted a degree in landscape architecture from Texas A. and M. College, and Nayland, the youngest, who is office manager and accountant for the nursery. A third son, Curtis, is connected with a wholesale nursery in the state of Oklahoma.

SPECIAL SILVER JUNIPER SEEDLINGS

(*Juniperus scopulorum*)

	Per 1000
9 to 12 ins.	\$ 80.00
12 to 18 ins.	125.00

This is excellent-quality stock.

Order now and specify delivery date.

CANON NURSERY

P. O. Box 828

CANON CITY, COLO.

PINK FLOWERING DOGWOOD

<i>Cornus florida rubra</i>	Each	Each	Each
	Per 10	Per 100	Per 1000
12 to 18 ins.	\$0.85	\$0.75	\$0.70
18 to 24 ins.	1.25	1.00	.90
2 to 3 ft.	1.50	1.25	1.15
3 to 4 ft.	2.00	2.50	2.00
4 to 5 ft.	4.50	4.00	3.75
5 to 6 ft.	5.50	4.50	...

(B&B—add 50c extra per plant)

Boyd Nursery Co., McMinnville, Tenn.

EVERGREENS, by L. L. Kumlien. How to select, plant and care for evergreens.

91 p., illus. \$1.50 postpaid. American Nurseryman, 343 S. Dearborn St., Chicago 4, Ill.



CALIFORNIA ASSOCIATION OF NURSERYMEN

ELMER J. MERZ, Executive Secretary
304 MITAU BUILDING SACRAMENTO 14, CALIF.

CENTRAL CHAPTER

A regular meeting of the Central chapter of the California Association of Nurserymen was held at Milani's, Oakland, with 52 in attendance for the dinner and meeting. With a formal visit by the state officials, the regular chapter business was put aside.

President Edward Albonico, El Cerito, introduced State Treasurer Fred Fick, Sacramento, who talked on the recent promotion staged by Superior chapter for the "October Garden Days."

State Vice-President Dave Cunningham, Chino, gave an interesting talk on the value of the association and the necessity of paying just dues. He remarked on the vast difference in the pricing formula of industry and the florists' trade. He pointed out that a customer thought nothing of paying \$3.50 for a camellia corsage, but balked at paying \$1.75 for a camellia plant loaded with buds.

State President Donald Perry, Ontario, speaking from his long experience in the industry, observed that the majority of nurseries do not actually figure profit in their operation. He suggested selling only the best plants and pricing them with some profit figure in mind, regardless of competition. He stated that for sound operation, good records are important and they should show a five times turnover in stock yearly. Larry C. Basker, Sec'y.

TRI-COUNTY MEETING

The meeting of the Tri-County chapter of the California Association of Nurserymen, was held October 28, at Santa Barbara, at Mom's Italian Village, with 29 members and guests present.

The chapter enjoyed a visit from the new state president, Donald Perry, Ontario; the new vice-president, Dave Cunningham, Chino, and executive secretary, Elmer Merz. All gave short and informative talks on the nursery business outlook.

Donald Perry stressed the importance of buying and selling the best merchandise and always planning for profits. Dave Cunningham mentioned the dues problem and urged all to make an effort to inter-

est other nurserymen in joining the association.

The chapter will combine the November and December meetings and will hold the Christmas party at Santa Barbara.

Mrs. George Steelman, Sec'y.

CALIFORNIA ARBORISTS

The California Arborists' Association held a meeting November 16 at the office of the San Mateo commissioner of agriculture. Presiding was John Davis, Davis Tree Surgeon, Menlo Park.

The members discussed new methods of applying pesticides. The group

was not in full agreement that the newer materials were, in every case, improvements on some of the old standbys. Some seemed to feel that combinations of the old and the new products were superior to either alone, while others took the stand that, properly used, the new materials, in general, were most effective and, in many cases, less costly. Soil fumigation was considered in great detail, and nearly all of the commonly used soil fumigants were shown to have uses in the work of some of the members.

The group decided in its business session to give consideration to continued efforts regarding the licensing of arborists under state rules and regulations. A similar attempt was made a year ago, but no action was taken by the legislature. It was reported that the lawn and garden maintenance group is again considering similar action.

The group was urged to take an active interest in the renewed activi-

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SAN FERNANDO, CALIF.

Finest Quality

CAMELLIAS—ROSES RETICULATAS—HOLLY

(Northern California Grown Roses)

DESCANSO DISTRIBUTORS, INC.
Wholesale Growers
Pipeline & Walnut Sts., CHINO, CALIF.

ties of the California horticultural council and everyone was reminded to plan to attend the meetings of the western shade tree conference next May. W. B. B.

CALIFORNIA NOTES

Ray Burr, W. B. Clarke & Co., San Jose, and Mrs. Burr have returned from a month's tour of Mexico.

Mr. and Mrs. John Edwards, Edwards Camellia Nursery, East Palo Alto, spent the Thanksgiving holidays in southern California with Mr. Edwards' relatives.

The Garden Doctor Co. is a new organization which will give information on the planting, planning and care of the home garden. Its offices are in Los Altos.

Toichi Domoto, Domoto Nursery, Hayward, spoke at the November 28 meeting of the Menlo Park Garden Club.

Frank Nolan, Palo Alto tree surgeon, and Mrs. Nolan spent most of August touring southern California with their new trailer. Now they are spending a couple of months in Mexico, again using the house trailer for living quarters.

The San Joaquin valley section of the western shade tree conference held a meeting on the campus of the Fresno State College, Fresno, in October. The southern section met in late November on the campus of the University of California in Los Angeles, and the western chapter meeting will be held at Rickey's, Palo Alto, late in May, 1956.

Perry's Drive-In Nursery opened at 15501 Washington avenue, San Lorenzo, early in December. Mr. Perry is building a lath house, 50x75 feet; a greenhouse, 25x50 feet, and a storage shed, 15x75 feet.

The city of Palo Alto received its name from Spanish explorers because of a high redwood tree there. Over the years the tree has had some hard knocks and is exposed to soot from trains all day. As a result, it is becoming rather dog-eared in appearance and some doubts had been expressed as to its ability to withstand much more. To add to its life, the city has installed an artificial fog system in the tree. This is primarily a long pipe, which reaches to the tree's top, about 100 feet, and ends in a series of nozzles. It is hoped that a daily spraying of water will wash off the dust and soot and that in humid atmosphere the tree may have many years added to its life.

Most of the state's nurserymen now have received notices from their



**HAPPY
HOLIDAYS
to
NURSERYMEN
EVERYWHERE**

Voices ring with laughter,
Extending greetings glad and gay,
Rich in heartfelt meaning
On this bright Christmas day.
Noel the old sweet story tells,
And joy resounds in chapel bells!

Again it is our prayer
New blessings to you will flow—
Don't forget to hang your stocking,

Old Santa's due you know.
Lights on the tree glow brightly
Let's let our hearts glow too
It is the season to be happy—
Enjoy it, for too soon its magic's thru!

WEEKS WHOLESALE ROSE GROWER

O. L. WEEKS

926 W. ELY

ONTARIO, CALIF.



A MERRY CHRISTMAS
TO ALL
and
TO ALL
BEST WISHES

A. MCGILL & SON

FAIRVIEW, OREGON

The Homestead Nurseries

H. G. Benckhuysen. Boskoop. Holland

Azaleas, Rhododendrons, Magnolias, Peonies, Ornamental Trees and Shrubs, Perennials — Quality Stock in All Leading Varieties. Trade catalog on request.

FOR THE BEST IN CACTUS AND SUCCULENTS

WONDER COLLECTION: One hundred all different.

\$5.00 per 100, \$45.00 per 1000.

CANADIAN SPECIAL: More durable kinds, 20 varieties.

\$5.00 per 100, \$45.00 per 1000.

SUPER SELECTION: Largest from the shipping flats.

\$10.00 per 100, \$90.00 per 1000.

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grow genuine
MASTODON®
Pansy Seed
write for catalog!
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PANSY GARDENS
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ROSES — Field Grown

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Finest in roses since 1935.
Write for new list and prices. Contracts and advance orders solicited.

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TREE PEONIES

No better quality anywhere. Wide selection of named, field-grown grafts.

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EVERGREEN NURSERY**

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EAST STANWOOD, WASH.

Write for List Today
H & S Personality Roses
Bred for American Gardens

HOWARD & SMITH, INC.
Montebello, Calif.

CUTTING-GROWN RHODODENDRON LINERS

Hardy and semihardy varieties.

Quality only

VAN VEEN NURSERY

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PORTLAND 6, ORE.

respective commissioners of agriculture regarding the revised regulations governing the use of certain injurious insecticides. All users of these materials are now required to sign a statement that they hold a valid permit to purchase such items.

W. B. B.

NAME A. A. N. COMMITTEES

J. Awdry Armstrong, general chairman of the 1956 convention of the American Association of Nurserymen, announces that all committee chairmen and members have been appointed and plans are being made for an outstanding convention at the Hotel Statler, Los Angeles, Calif., July 15 to 19, 1956.

A meeting was held at the Hotel Statler in late September, attended by Dr. Richard P. White, executive vice-president of the A. A. N., along with most of the convention committee chairmen. Since that time, most committees have laid tentative plans and are drawing up programs which indicate this will be an outstanding convention.

Of special interest to the exhibitors will be the trade exhibit rooms. Two large rooms have been set aside next to the meeting rooms for trade exhibits. Chairman Armstrong further states that these rooms are easily accessible, and street-level loading and unloading is available. Requests for exhibit space have been heavy, and any exhibitor who would like space should communicate immediately with James Meadows, chairman, trade exhibits committee, 3184 North Lake avenue, Altadena, Calif., or Curtis H. Porterfield, secretary, American Association of Nurserymen, Room 635, Southern building, Washington 5, D. C.

Following are the committee appointments that have been announced by Chairman Armstrong, all named being in California unless otherwise indicated:

Executive—J. Awdry Armstrong, Armstrong Nurseries, Ontario, Calif., chairman; Willis Stribling, Stribling's Nurseries, Merced, vice-chairman; Martin Usrey, Monrovia Nursery Co., Monrovia, treasurer; Dave Stump, Armstrong Nurseries, secretary, and F. C. Tomlinson, Tomlinson's Select Nursery, Whittier.

Finance—J. Awdry Armstrong, chairman; Willis Stribling; Martin Usrey; Clyde H. Stocking, Stocking's Rose Gardens, San Jose; Richard P. White, A. A. N. executive vice-president, Washington, D. C., and Valleeau C. Curtis, Curtis Nurseries, Inc., Callicoon, N. Y.

Decorations—Mr. and Mrs. O. L. Weeks, Weeks Wholesale Rose Growers, Ontario, cochairmen; Charles Crum, Rosedale's Nurseries, Monrovia; Tom Edwards, Roy F. Wilcox & Co., Montebello; Mr. and Mrs. Peter Mordigan, Mordigan Evergreen Nurseries, San Fernando; Wil-

liam Evans, Evans & Reeves Nurseries, Los Angeles; Mrs. Fred Mungia, Montebello Rose Co., Montebello; Mrs. Harold J. Botts, Botts Nursery, Anaheim, and Mrs. Dick Meadows, Meadows Bros., Altadena.

Entertainment — Manfred Meyberg, Germain's, Los Angeles; Harry Marks, Germain's, Los Angeles; Bert Kallman, Kallman's Garden Nursery, Santa Barbara; Franklin K. Wilcox, Keeline-Wilcox Nurseries, Montebello; Lynn Mossholder, Mossholder Nursery, La Habra; Harry E. Rosedale, Monrovia Nursery Co.; Al Dutton, Germain's, Van Nuys, and John A. Armstrong, Jr., Armstrong Nurseries.

Trade exhibits—James Meadows, Meadows Bros., chairman; J. Arthur Cox, Pacific Coast Nurseryman, Arcadia; Carl Raahaughe, Keeline-Wilcox Nurseries; Lyman B. Merrick, L. B. Merrick Nurseries, Pico; Charles J. Burr, California Garden Supply Co., Belmont; Jack McDonnell, McDonnell Nursery, Oakland; Richard Meadows, Meadows Bros., and M. M. Thompson, Corona Clipper Co.

Registration—Frank Pollock, Matlin's Nursery, Ontario, chairman; Richard Ferncase, Pacific Coast Nurseryman; Wally Schoenfeld, Germain's, Los Angeles; Robert Reed, Weeks Wholesale Rose Growers; Mr. and Mrs. Keith Monaghan, Howard Rose Co., Hemet; William Moffett, Mount Arbor Nurseries, Gustine; Fred Mungia, Montebello Rose Co.; Elmer J. Merz, executive secretary, California Association of Nurserymen, Sacramento, and Jerrold Vistica, Louis Vistica Nursery, Yuba City.

Transportation — John Beach, Germain's, Van Nuys, chairman; Mark Poulson, Monrovia Nursery Co.; Henry Conklin, H. A. Conklin Nursery, West Covina; Richard Westcott, Paul J. Howard's California Flowerland, Los Angeles; Robert Bunch, Howard & Smith, Montebello; Herbert C. Swim, Swim & Weeks, Chino; Ernest Bordier, Bordier's Nursery, Covina, and James Ford, Bandini Fertilizer Co., Los Angeles.

Welcoming—David Cunningham, Descanso Distributors, Inc., Chino; Robert Lindquist, Howard Rose Co.; Andrew J. Caglia, Andy's Nursery, Fresno; Robert Boddy, Descanso Distributors, Inc.; Richard Wilcox, Keeline-Wilcox Nurseries; Norman Springer, Bandini Fertilizer Co.; Walter Borchers, W. B. Clarke & Co., San Jose; Ray Hartman, Leonard Coates Nurseries, Inc., San Jose; George C. Roeding, Jr., California Nursery Co., Niles, and Herman J. Sandkuhle, Sunset Nursery Co., Oakland.

Junior Nurserymen — Mr. and Mrs. James Gibbs, Winsel-Gibbs Seed & Nursery Co., Los Angeles, cochairman; Mrs. J. Arthur Cox, Pacific Coast Nurseryman; Mr. and Mrs. K. Moordigian, Sylmar Nurseries, San Fernando; Opal Usrey, Monrovia Nursery Co.; Mr. and Mrs. Edward B. Arneson, California Camellia Gardens, San Fernando; Mr. and Mrs. Al Pastor, A. Pastor Wholesale Nursery, Inglewood, and Mr. and Mrs. Bob Kallman, Kallman's Garden Nurseries.

Ladies—Ruth H. Armstrong, chairman; Mrs. Lyman Merrick; Mrs. D. S. Stump; Mrs. Willis Stribling; Mrs. F. C. Tomlinson; Mrs. Norman Springer; Mrs. John A. Armstrong, Jr.; Mrs. James Meadows, and Constance A. Elmer.

Local publicity—Dave Stump, chairman; Ed. McNeil, Tuttle Bros. Nurseries, Altadena; J. Arthur Cox; Jack Waterman, Germain's, Los Angeles, and Carl Sickler, Pacific Advertising Staff, Oakland.



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GROWING  QUALITY

Gold Dust* Peach

Plant Pat. No. 1144

The best in flavor and beauty at the start of the season. Firm, crisp freestone, crimson blushed and delicious. Excellent shipper.

Freedom Nectarine

Plant Pat. No. 1161

New, very large, high-colored freestone. Firm, juicy and yellow fleshed — ideal for shipping, canning and table. Ripens in late July.

Blazing Gold* Peach

Plant Pat. No. 1127

Extremely early freestone of good packing size. Exceptional color — mottled red over yellow. Rich, tart flavor. Ripens early June.

All Grown on

5-37* Rootstock

Plant Pat. No. 904

Also a complete line of Flowering Trees, Shade Trees, Grape Vines.

Trade Mark Reg. U. S. Pat. Off.

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Reliable exporters for general nursery stock since 1922.

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Write for new color catalog, listing over 350 varieties of Evergreens, Azaleas, Camellias, Heathers, Dwarf Rhododendrons and Perennials.

MITSCH NURSERY
AURORA, ORE.

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Rhododendrons

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Deciduous Shrubs

Choice Trees

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RARE and NEW PLANTS

F. J. GROOTENDORST & SONS

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Ask for 62-page catalog.

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Originators of Azalea Vuykiana. Growers of choice Nursery Stock.

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140 CEDAR ST. NEW YORK 6, N. Y.

HEEMSKERK & CO., Bulbs

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AMERICAN and HOLLAND
GROWN BULBS

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CHOICE YAKIMA VALLEY GROWN NURSERY STOCK

40 Varieties of
Flowering Crab Apples
Fruit Tree Seedlings
Fruit Trees
Roses
Shade and Ornamental Trees
Deciduous Shrubs
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General Ornamental Stock

Our wholesale price list sent
upon your request.

Let us quote on your requirements.

MAY NURSERY CO.

P. O. Box 494 YAKIMA, WASH.

ROSES OLD and NEW

Fine-quality, two-year plants
budded on Multiflora in over
250 varieties

Send for list.

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EXCELLENT NORTHWEST NURSERY STOCK

Apple, Pear and Chinese Elm
Seedlings
Fruit, Shade and Flowering
Ornamental Trees

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TOPPENISH, WASH.

Write for our
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NURSERYMEN'S EXCHANGE
938 Howard St.
SAN FRANCISCO, CALIF.

RETAIL REPORTS

[Continued from page 54]

Robert A. Walker, Holgate Nursery, Portland, Ore., brings out the difficulty in interesting persons in fall planting in his area, saying:

"Retail-wise, my report is that business has been slow or I might say spotty, good one day and poor the next. That is nothing unusual during the fall of the year in our part of the country. It is hard to interest people in planting around their home grounds when the great outdoors of the Pacific northwest is calling during our Indian summers. The spring season has always been our heavy selling season, in spite of the advertising we have done in the fall of the year to encourage fall planting."

California Optimism

The following report on conditions at Niles, Calif., comes from George C. Roeding, Jr., president, California Nursery Co.:

"Our fall sales have been just a little better than last year's at this time. Indications are that our entire season will be even better than last year; we have larger orders booked in advance for fruit trees, grapevines and landscape work than we had last year at this time. A fine rain we recently had here should stimulate planting for all nurserymen in this area.

"Here in the northern part of the state, for the last few years our spring sales have always been heavier than in the fall. Our fall planting season is light, compared to the work in the eastern part of the country. This past spring we had one of the best seasons we have had in years, but we anticipate the coming season to be even better.

"There seems to be a fair supply of ornamentals and bush roses, with a shortage of tree roses and some varieties of fruit trees. Prices are about the same as last year's; we anticipate their remaining firm.

"During the spring—from early March to mid-April—we hold an annual outdoor bulb show, in which we have a showing of over 400 varieties of bulbs (including novelties); this brings a large attendance to our nursery, and our gardens are used as a living catalog to sell advance orders."

CONSTRUCTION began last month on a special building to house a landscape horticultural laboratory for teaching and research and a landscape construction classroom, on the Davis campus of the University of California.

MAHONIA AQUIFOLIUM

(Oregon-Washington Holly-Grape)

A very beautiful evergreen shrub with large glossy leaves and yellow flowers conspicuously appearing in the spring and followed by dark blue berries; a most satisfactory broad-leaved evergreen for any place in the United States.

1-yr. seedlings, field-grown, row-run,
\$5.00 per 100, \$35.00 per 1000.

TERMS—Check is requested before shipment or will ship C.O.D. if preferred. All orders shipped via railway express, same day they are dug.

Will ship via parcel post if postage is included with order.

No order too large or too small.

Place your order now for spring, 1956, delivery.

CHENOWETH'S
MOUNT VERNON NURSERY
MOUNT VERNON, WASH.

MILTON NURSERY CO.

77th Year

MILTON-FREEWATER, ORE.

Flowering, Ornamental, Shade
Trees, Evergreens and Shrubs

Fruit Tree Seedlings and
Angers Quince Rooted Cuttings

Combination carlots for eastern
distributing points during ship-
ping season.

Send us your Want List.

PACIFIC COAST NURSERY

2244 N. Skidmore Ct. PORTLAND II, ORE.

Pioneering Seedling Growers on
the Pacific Coast Since 1914.

Specializing in Fruit Tree Seedlings and
Shade and Flowering Trees.

French Apple Seedlings, Str. and Br.
Domestic Apple Seedlings, Str. and Br.
Bartlett Pear Seedlings, Str. and Br.
Ussuriensis Pear Seedlings
Mahaleb Cherry Seedlings
Mazzard Cherry Seedlings
Myrobalan Plum Seedlings
American Plum Seedlings
Angers Rooted Quince Cuttings
English Privet Cuttings

John Holmason & Sons, Props.

Publish your price list in the
AMERICAN NURSERYMAN
to reach the trade promptly.

COVER ILLUSTRATION

Cornus Kousa Chinensis

A geographical variety of *Cornus kousa*, found in China and introduced here about 1907, has proved a most worthy addition to our list of handsome flowering trees. Quite like the species type in its upright growth habit, the variety *chinensis* attains about the same height and usually matures to a smaller tree than our natives. Like our own and the Asiatic flowering dogwood, this form of *C. kousa* can be grown fairly well in the open, but is happier when planted in lightly shaded locations; overcrowding, however, will force branch development upward and tend to eliminate the graceful, loosely upright fountain branch formation

Flower of *Cornus Kousa Chinensis*

which characterizes uncramped specimens and distinguishes the species from *C. florida*.

The foliage of *chinensis* is similar to that of the species, perhaps averaging a bit larger, with less conspicuous axillary hair tufts beneath, and seldom shows marked brilliance in autumn. The "flowers" are usually showier, with larger, more fully rounded bracts, which overlap instead of narrowing where they join the floral cluster.

A desirable feature of *C. kousa* and variety *chinensis* is their late flowering date, about June 15, and their longer period of bloom, which persists well past the flowering time of *C. florida* and most other native and imported early-flowering trees. The winter buds of *C. kousa* are not so conspicuously full and orna-

PORTLAND WHOLESALE NURSERY CO.

5050 S. E. STARK ST.

Avery H. Steinmetz

PORTLAND 15, OREGON

Paul E. Van Allen

Look below for partial list of varieties still available. **FINEST QUALITY GUARANTEED.**

Combination carloads to midwest and east during February and March.

Distributors for Goodrich Budding Strips, Re-Pid-Gro fertilizer, Rite-in-the-Rain labels and Wilt-Pruf.

Quality Stock

CONIFERS AND BROAD-LEAVED
EVERGREENS
SHADE AND FLOWERING TREES
FRUIT TREE SEEDLINGS
FRUIT TREES
DECIDUOUS SHRUBS
VINES AND BULBS
PORTLAND ROSES
NURSERY SUPPLIES

Write for our Catalog

Dwarf Apple
Small Fruits
Seedlings
Green Ash
Cut-leaved Birch
European White Birch
Box Elder, silver variety
Catalpa speciosa
Bechtel Flowering Crab
Chinese Elm
Camperdown Elm
Paul's Scarlet Thorn
Honey Locust
Globe Locust
Idaho Pink Locust
Japanese Lace-leaved Maple
Palmatum Rubrum Maple
Faassen's Black Maple
Norway Maple
Red Maple (rubrum)
Schwedler Maple
Silver Maple
Red and Scarlet Oak

Plane Tree, European
Redbud (canadensis)
Sweet Gum, B. R. and B&B
Tulip Tree
Willow
Azalea mollis
Azalea Altaclarensis
California Privet
English Privet
Lodense Privet
Arbutus, 12 varieties
Juniper, 22 varieties
Spruce, Dwarf Alberta
Spruce, Colorado Blue and Green
Spruce, Norway

Taxus cuspidata (Japanese)
Taxus capitata (Japanese)
Taxus brevifolia
Taxus brownii
Taxus hatfieldii
Taxus hicksii
Taxus, Irish green and golden
Taxus, English, upright
Boxwood
Heather
Nandina domestica
Clematis, 22 varieties
Wistaria, 7 varieties
Peonies

DWARF APPLE TREES

Write us for a list of dwarf apple trees on Mallory IX and VII.



We pay shipping costs on lining-out stock to all points in the United States, Canada and Alaska. No packing charge is made on either lining-out or balled stock.

SHERWOOD NURSERY CO.

EVERGREENS - Propagators & Growers
Wholesale Only

141 S.E. 65th Ave., PORTLAND 16, ORE.

WE SPECIALIZE IN LARGE TREES

Regular transplanted. Rare stock. Free of noxious weeds. In the business to stay.

F. A. DOERFLER & SONS

250 N. Lancaster Dr. SALEM, ORE.
Phone 22549

RICH & SONS NURSERY

Offers

SHADE TREES

Green Ash
Cutleaf Birch
White Birch (European)
Chinese Elm
Paul's Scarlet Hawthorn
Honey Locust
Red Maple
Silver Maple
Russian Mulberry
Flowering Plum
Poplars
Willows

Azalea Mollis

Prunus Besseyi, bushy, 2 and 3-yr. plants

ROSES

Many other items

RICH & SONS NURSERY

Rt. 4 HILLSBORO, ORE.

DAPHNE ODORA

Rooted cuttings ready to be transplanted at \$100 per 1000, F.O.B. Troutdale.

Send for list.

J. B. WHALLEY

Rt. 2, Box 683 TROUTDALE, ORE.

LABURNUM VOSSI

This is the famous **long-clustered** Goldenchain. A rapid, small-growing tree, with long clusters of deep yellow wistaria-like flowers.

We have some beautiful, heavily branched trees which are ready to bloom at once.

Be sure you have an adequate supply, as these will sell like Fords at this price!

8 to 10 ft., branched	\$2.25
6 to 8 ft., branched	1.75

FRAXINUS VELUTINA GLABRA

(Modesto Ash)

Hardy through zone 7. A selected **male** form of Arizona Ash useful as a street and shade tree wherever hardy. Especially effective in hot or dry regions.

10 to 12 ft.	\$1.75
8 to 10 ft.	1.50
6 to 8 ft.	1.25
5 to 6 ft. ....	.85

POPULUS NIGRA ITALICA

(Lombardy Poplar)

Always useful and in demand for a quick-growing screen or accent tree.

10 to 12 ft.	\$1.50
8 to 10 ft.	1.00

Combination carload shipments east of the Rocky Mountains usually available.

**CONVENTION TIME IS SELLING TIME!**

Nurserymen all over the nation will be attending winter conventions during the next two months. This is the time that spring buying is uppermost in their minds.

You can reach these nurserymen with your sales message through the advertising columns of the American Nurseryman. Remember, the January and February issues, which contain reports of the winter conventions, enjoy unusually high readership.

SEND YOUR ADVERTISING COPY NOW!

2935 S.W. 234th Ave., Rt. 2, Beaverton, Ore.

EVERGREEN SPECIALS

	Each
Pyramidal Arborvitae, 3 to 4 ft.	\$1.75
Woodward Arborvitae, 12 to 15 ins.	1.00
Alumi Cypress, 30 to 36 ins.	1.50
Pfitzer Juniper, 18 to 24 ins.	1.50
Irish Yew, 30 to 36 ins.	2.00
Rhododendron Hybrid Seedlings, 8 to 12 ins. ....	.25
12 to 15 ins. ....	.35

Complete assortment of lining-out stock, fruit, shade and flowering trees.

Write for special price list.

BENEDICT NURSERY CO.
735 N. E. 87th Ave., PORTLAND 16, ORE.

mental as those of *C. florida*, but seldom suffer frost damage, and plants in the Rochester, N. Y., area seem to endure severe winters even a little better than the native species.

When young, both *C. kousa* and its form *chinensis* are on the tender side and, like *C. florida*, require care in moving; once established, they are fully hardy wherever the native species can be grown. The species is readily grown from seeds, and vegetative propagation from a good specimen assures uniform plants retaining the best qualities of the variety.

Gavaghan & Dobson made the photograph from which the cover illustration was reproduced, picturing a subject in a park planting at Rochester, N. Y. J. G.

PAGODA NURSERY, Whittier boulevard, La Habra, Calif., is a new nursery, owned by George Takahashi, who formerly operated a nursery at Rivera.

ALPINE NURSERY, Stockton, Calif., owned by Virgil Azzaro, has been remodeled to include a parking lot and a salesyard, among other improvements.

JOE WANZIE, Numidia, Kan., is preparing to enter the nursery business soon. He has about 350,000 seedling evergreens, which he has grown in flats.

FRANCIS W. BARTON, 114 West Dale, Aiken, S. C., who has just returned from the air force, is starting a retail nursery and landscape business. His brother, who is in the army in Germany, will join him in the business upon his release from the service.

WANT ADS

Display: **\$4.00** per inch, each insertion.

Liners: **35¢** line; Minimum order **\$3.50**.

WANTED

Representatives now calling on nursery and florist trade wanted to handle Preserv-Ail, the nontoxic wood and textile preservative that proves a necessity in the nursery and greenhouse. Liberal commissions, repeat sales.
TRADCO PRODUCTS CO.
Cranston 10, R. I.

WANTED — Experienced brokerage company or salesmen to sell Manila rope, sisal rope, sisal and jute wrapping twines, baler twine, binder twine, barbed wire, nails, fishing trawl cables, wire rope, seine twines. Also hand-tooled leather and alligator products, Swiss watches and all types of imported specialty items. We maintain large warehouse stocks ready for prompt shipment by our own trucks. Our connections allow you to sell large wholesalers, distributors, dealers, manufacturers, oil supply and marine supply companies, ship chandlers, etc. Liberal commissions. **BOB STONE CORDAGE CO.** Home Office: Charlton, Ia. Branch offices in major port cities.

WANTED and FOR SALE ADS

Help and Situation Wanted and For Sale Advertisements.

Display: \$4.00 per inch, each insertion.

Lines: 35¢ line; minimum order **\$3.50**.

HELP WANTED

PRODUCTION SUPERINTENDENT

This is truly an exceptional opportunity for the man who can qualify by his background of experience, education and leadership. Our management considers this a key position. The man we hire will be very well paid and enjoy exceptional opportunities to increase his income.

To be considered, you should have a broad background in the propagating and growing of such nursery products as: Evergreens, shrubs, hedges, fruit trees, shade trees, flowering trees, etc. You should have experience in hiring, training and supervising employees from the rank of nursery worker to supervisor. You should have the demonstrated ability to plan and direct large-scale and varied nursery operations. You should have the ability to serve as right hand to management.

Please forward, in confidence, complete information regarding experience, education background and income requirements.

Every application will be carefully reviewed.

The man selected will step into a fine position with a large, progressive and long-established firm. He will enjoy such company benefits as vacations, sick leave, insurance, pension, etc.

No application will be considered unless a complete personal data sheet is submitted. All replies kept in strict confidence.

C. E. Hogan, General Manager
C. R. BURR & CO., INC.
Manchester, Conn.

HELP WANTED

LANDSCAPE ARCHITECT

Requirements: College graduate with specialization in landscape architecture; experience in fundamental practices of landscape architecture, planting and engineering procedures. Salary open.

Please submit applications to the Personnel Director, City Hall, San Antonio, Tex.

WANTED

Salesman or firm to handle sales of California roses. We have complete line of two-year, bare-root roses. Give data as to territory covered, commission wanted and references. Replies confidential. Address Box 237, care of American Nurseryman.

FOR SALE—Used 30-lb. tins, \$50.00 per 1000 in carload lots. F.O.B. Beulah, Mich. Car average 5000-tin capacity. Cans cleaned before loading. For freight rates see your local agent. Lids available at \$15.00 per 1000. Samples on request. **PET-RITZ FOODS, Beulah, Mich.**

FOR SALE—Business and commercial lots. Real money-maker. Well-established business. Price \$30,000. **BASTON POTTERY PATIO NURSERY, 3080 Middlefield Rd., Redwood City, Calif.**

HELP WANTED

Leading mail-order nursery doing nationwide retail and wholesale business has opening for man thoroughly experienced in growing and handling ornamental woody material. This man must be an aggressive person, genuinely interested in associating himself only with a first-rate company which will give him every opportunity to advance as he is able to prove himself. Reply to Box 232, care of American Nurseryman. All replies strictly confidential.

WANTED

REPRESENTATIVES

Territories open on complete line of lawn and garden wood products. Commission basis. Representatives wanted who sell direct to hardware and department stores, garden shops, nurseries and lumberyards. Write Box 238, care of American Nurseryman.

WANTED

Topiary work, preferably yew, in the shape of birds. For shipment to California. Must be certified pest-free. State size, shape and price. Reply to Box 241, care of American Nurseryman.

SITUATION WANTED

Nurseryman, age 28, married, with two children, looking for a position with a future. Experienced in growing, packaging and shipping of perennials, shrubs, roses and bulbs, as well as all phases of the mail-order business. Has worked with crews of 20 to 30 men and women. Can supply very best of references. Address replies to Box 240, care of American Nurseryman.

FOR SALE—Used 50-lb. lard pails with handles, not cleaned out, \$65.00 per 1000 F.O.B. Beulah, Mich. Can be shipped by rail only. Pails nested, weight 2 1/2 lbs. each. For freight rates see your local agent. Lids available \$10.00 per 1000. Samples on request. **PET-RITZ FOODS, Beulah, Mich.**

FOR SALE

Florists' business in west central Pennsylvania. Oldest-established shop in this top mining city. Excellent profit picture. Ideal location. 3 greenhouses and 2 buildings included. Priced far below value. (6903-5M)

Florists' shops in Pittsburgh, Pa. area. Growing chain has 4 ideal locations. Ultramodern, fully equipped. Wholesale and retail. Delivery trucks included. Grossed \$60,000 last year. Should double in 1956. (6846)

Nursery in eastern Alabama. An exceptional investment opportunity. Company is largest U. S. supplier of zoysia grass cups for lawn transplanting. Nation-wide mail orders promise 7 to 10 million grass cups in next 2 years. Firm also has top contracts for local landscaping. 173 acres of land include 80,000 sq. yds. pure strain zoysia parent stock. One sq. yd. will propagate 1000 cups which sell at \$10 per 100 cups. Top returns on your investment dollar are assured here. (6867-95)

Nursery and florists' business in central Georgia. Complete line of florists' services with large potential market for bedding plants. Also potted plants and flowers sold. Large rental service of ribbon, candelabra stands, etc. for weddings, funerals, etc. Well equipped, in excellent condition. Ideal opportunity for ambitious person. (6810)

Free bulletins on above businesses.

CHAS. FORD & ASSOCIATES
87 Walton St.
Atlanta, Ga.

SITUATION WANTED

Experienced propagator of evergreens, able to produce by cuttings, grafts and seedbed culture; also shrubs and grafting and growing of hybrid lilacs. Will furnish references. Available at once. Write to Box 239, care of American Nurseryman.

FOR SALE

A well-equipped, modern nursery in one of California's fastest-growing areas. Located 45 minutes from San Francisco, this spot draws its customers from three counties. Annual gross business averages \$75,000. Address replies to Box 242, care of American Nurseryman.

FOR SALE

The southwest's finest tree mover. All hydraulic. Fast, safe and simple. Capacity 13,000 lbs., 7 1/2-ft. ball. Mounted on 1948 International truck, 2nd stake bed for double use. Also Ford tractor back hoe attachment for digging trees and holes. Complete \$3500.00.
HILL'S NURSERY
P. O. Box 43
Victoria, Tex.

FOR SALE

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.
1080 Magnolia Ave. Elizabeth, N. J.

CLASSIFIED ADS

Rate: 35 cents per line, each insertion.

Minimum order, \$3.50

Instructions for the next issue must be received by Friday, December 16.

Forms for January 15 issue will close Friday, December 30.

AZALEAS

AZALEAS
CASH AND CARRY ONLY. NO DELIVERY.
Sizes ranging from 4 ins. to 8 ft.
(Not all sizes in all varieties.)
Lath house and field-grown.
Quality, priced right.
(Prices available on request.)

INDICA
ELEGANS PRIDE OF MOBILE
FORMOSA FIELDS WHITE
OMURASAKI SOUTHERN CHARM
GEO. L. TABER LAWSA
DUC DE ROHAN POTTATA FORTUNEI
JUDGE SOLOMON INDICA ALBA

KURUME
SNOW HEXE DE
PINK PEARL SAFFELAERE
HINODEGIRI FIERFLY
HINODEGIRI SPORT GARDENIA
SALMON BEAUTY SUPREME
CHRISTMAS CHEER HINO-SUPREME
ORANGE CORAL HINO-CRIMSON
BELLS

PERICAT
SWEETHEART FORTUNE
SUPREME PINK PERICAT
MME. PERICAT DAWN
TWENTY GRAND
DELHAVEN GARDENS AND NURSERY
Route 1 Bayside, Va.
5 miles east of Norfolk
Phone LOwel 3-7231. Nights MADison 5-8180

ROOTED CUTTINGS AND BEDDED PLANTS
WHAT ROOTS!
WHAT STURDY CUTTINGS!
HINO-CRIMSON, our introduction, \$7.50 per 100, \$65.00 per 1000, \$300.00 per 5000.
GABLE HYBRIDS, C-2-G, F-3-G, La Lumiere, Lorna, Louise Gable, Maryann, \$10.00 per 100.
KAEMPFER HYBRIDS, Carmen, Fedora, late hybrid, Othello, \$7.50 per 100.
MAXWELLI AND ORANGE BEAUTY, \$7.50 per 100.
VUKIANA HYBRIDS, Johann Strauss, Joseph Hayden, Helena Vuyk, Schubert, Wilhelmina Vuyk (Palestina), \$10.00 per 100.
HINO-CRIMSON, FOR FORCING AND GROWING ON.

	Each 10	100	1000
2 1/2-in. pots, 1-yr., lvy.	\$0.22 1/2	\$0.17 1/2	\$0.15
3-in. pots, 1-yr., heavy	.50	.40	.35
8 to 10-in. XX, compact, heavy	.90	.75	.65
10 to 12-in., XX, compact, heavy	1.15	.95	.85

JOHN VERMEULEN & SON, INC.
Neshanic Station, N. J.

KNAP HILL AZALEAS
A wide range of choice varieties of the Supreme Strain of deciduous Azaleas, originated by the late Anthony Waterer; noted for wonderful colors, perfume and autumn foliage, are cataloged in a special list for American growers. Seven Awards of Merit of the Royal Horticultural Society. Prompt delivery. Seed of this strain saved from the finest plants, \$2.00 per packet, which will produce 250 plants. Cash with order. Write for seed and catalog to
KNAP HILL NURSERY, LTD.
Woking, Surrey, England

KURUME AZALEAS
For immediate or spring delivery. Outdoor-grown; all heavy budded stock, for forcing or landscape.
In varieties: Hinodegiri, Coral Bells, Salmon Beauty, Snow, Pink Pearl, Hino-Crimson. Per 100.
3 to 5 ins. \$35.00 8 to 10 ins. \$125.00
5 to 6 ins. 45.00 10 to 12 ins. 150.00
6 to 8 ins. 85.00 12 to 15 ins. 175.00

DIRKMAAT AZALEA FARM
516 Stevens Ave. Ridgewood, N. J.

HINO-CRIMSON
Thousands of beautiful Hino-Crimson and other evergreen Azaleas. Dense, bushy, well-budded—for landscape planting and forcing. Order now, to be sure of getting what you want, as there never are enough to meet the demand. Write for list.
THE TANKARD NURSERIES, Exmore, Va.

AZALEA LINERS
We have a fine selection of Azalea cuttings, all hardy varieties, \$50.00 per 1000; 1-yr. spring liners, May 1 delivery, \$125.00 per 1000.

BAIER LUSTGARTEN NURSERIES
Jericho Turnpike, Middle Island, L. I., N. Y.

HARDY AZALEAS

FOR SPRING DELIVERY

Over 200,000, all sizes, 6 ins. to 3 ft., following varieties: Amoena, Coral Bells, Hinodegiri, Led. Alba, Snow, Maxwelli, Kaempferi, in 6 varieties; Orange Beauty, Kurume, Rose Bud, Addy Wery, Rose Greely and Favorite.

BAIER LUSTGARTEN NURSERIES
Jericho Turnpike, Middle Island, L. I., N. Y.

Azalea Hinodegiri, potted and in field.
L. E. Herring, 110 High St., Eatontown, N. J.

BERRY PLANTS

Strawberry plants, certified, grown from virus-free stock. Blakemore, Dixieland, Mastodon, \$7.00 per 1000. J. A. Pack Nursery, Rt. 1, McMinville, Tenn.

Watch Your Results From
American Nurseryman Classified Ads.

BULBS AND TUBERS

HOLLAND-GROWN BULBS

Darwin Tulips, first size, 11 to 12 cm. 5c each. Jubilee (blue), Wm. Pitt (red), Pride of Haarlem (deep rose), Yellow Giant (yellow), Princess Elizabeth (rose), Queen of the Night (blue-black), Wm. Copland (lavender), Bartigon (dark red), Clara Butt (pink).

PARROTT TULIPS, 7 1/2 c each.
Blue Parrott (blue), Fantasy (rose, inside salmon), Orange Favorite (orange), Sunshine (bright yellow), Red Champion (red), Black Parrott (blue-black).

REMBRANDT TULIPS, 7 1/2 c each.
Cordell Hull (variegated white and red).

TULIP FOSTERIANA, 10c each.
Red Emperor (large scarlet).

COTTAGE TULIPS, 7 1/2 c each.
G. W. Leak (crimson and orange), Carara (white), Mylorie Bowen (pink and salmon), Princess Margaret Rose (yellow edged scarlet).

BREEDER TULIPS, 5c each.
Dillenburg (orange-scarlet).

TRIUMPH TULIP, 5c each.
Kansas (white).

HYACINTHS, bedding size, 15 to 16 cm., 10c each. Pink Pearl (deep rose), La Victoire (carmine-red), L'Innocence (pure white), Ismarck (sky-blue), King of the Blues (deep blue), City of Haarlem (golden yellow).

CROCUS, blooming size, 7 to 8 cm., 4c each. King of the Blues, King of the Whites, Golden Yellow, Striped.

MUSCARI (Grape Hyacinth), 2c each.

SCILLA (Camp mixed), 2 1/2 c each.

GIANT YELLOW TRUMPET DAFFODILS, 6 1/2 c each. King Alfred, Solario, Golden Harvest, Music Hall.

DUTCH IRISES, 8 to 9 cm., 5c each. Golden Harvest, White Excelsior, Wedgwood.

BENTON COUNTY NURSERY CO., INC.
Dept. 5 Rogers, Ark.

GIANT TUBEROUS BEGONIAS
Double-flowering Camellia-type, 8 colors.

1 1/4 to 1 1/2-in. ... \$ 5.50 per 100, \$45.00 per 1000

1 1/2 to 2-in. 8.50 per 100, 75.00 per 1000

2-in. up 12.50 per 100, 115.00 per 1000

3-in. up 25.00 per 100, 200.00 per 1000

Double-flowering Carnation-type, 6 colors.

1 1/4 to 1 1/2-in. ... \$ 7.50 per 100, \$60.00 per 1000

1 1/2 to 2-in. 11.50 per 100, 100.00 per 1000

2-in. up 15.00 per 100, 140.00 per 1000

Minimum order \$5.00.

LOUIS DANK
1170 Broadway New York 1, N. Y.

FANCY-LEAVED CALADIUMS
Over 50 of the finest commercial varieties, fully upgraded.

No. 3, 3/4 to 1 1/4-in. \$ 7.00 \$ 60.00

No. 2, 1 to 1 1/2-in. 12.00 110.00

No. 1, 1 1/2 to 2 1/2-in. 18.00 160.00

Jumbo, 2 1/2 to 3 1/2-in. 25.00 230.00

Mammoth, 3 1/2-in. up 37.00 350.00

Minimum order \$5.00.
Send for our color chart of 44 varieties.

LOUIS DANK
1170 Broadway New York 1, N. Y.

A NEW BULB LIST EVERY MONTH!
WHOLESALE ONLY!
COMMERCIAL VARIETIES OF FLOWER BULBS ALL THROUGH THE YEAR!
OUR LIST IS READY FOR THE ASKING.
MAILINGS EVERY DAY!
NEW GLADIOLUS AND OTHER BULB LISTINGS.
READY NOW.
HARTFORD FARMS, HARTFORD, MICH.

GLOXINIAS

The best commercial varieties.

	Per 100	Per 1000
1 1/4 to 1 1/2-in.	\$ 7.50	\$ 65.00
1 1/2 to 2-in.	14.00	130.00
2 to 2 1/2-in.	22.00	195.00
Mammoth 2 1/2-in. UP	35.00	300.00
Minimum order \$5.00.		

LOUIS DANK
1170 Broadway New York 1, N. Y.

CAMELLIAS

CAMELLIA LINERS

Minimum order, 5 of a variety.

FOR BEST RESULTS

PLANT CAMELLIA LINERY NOW.

Pink Perfection, Prof. Sargent.

Victor Emmanuel, 17 1/2 c each.

Admiral Nimitz	Kumasaka
Alba Plena	La Reine, var.
Ann Lindbergh	Mme. Chiang Kai-shek
Brilliant	Margaret Higdon
Black Dragon	Marchioness of Exeter
Ch. Elegans	Mary E. M.
Colletti	Mathotiana Rubra
Debutante	Mathotiana Variant
Duchess of Sutherland	Nagasaki
Elizabeth Arden	Pink Star
Empress	Rev. John Bennett
Fanny Bolis	September Moon
Gigantea	Florence Stratton
Goshoguruma	Victory White
Gov. Mouton	White Empress
Gloire de Nantes	Woodville Red
Hermes	

Arefishi	Lady Charlotte
Adolph Audusson	Lady Vansittart
Adolph Audusson, var.	Lila Rosa
Big Beauty	Lindsey Neill
Campbell Ashley	Magnoliaeflora
Capt. Martin's Fav.	Paulette Goddard
Dorothea Blanche	Pearl Harbor
Dr. Tinsley	Simeon
Elizabeth Boardman	Princess Murat
Eugene Lisse	Rose Dawn
Glen 40	Rosea Superba
Haku-rakuten	Ruth Royer

25c each.
FOR LINING OUT IN FIELD
OR PLANTING IN CONTAINERS.
FLOWERWOOD NURSERY, INC.
Rt. 1, Box 130 Mobile, Ala.

CHRYSANTHEMUMS

HARDY CHRYSANTHEMUMS.

FIELD CLUMPS. New 1954 and 1955 introductions and other favorite varieties, for your winter propagation. Send for list.
HURLEY NURSERY, PAINESVILLE, O.

COTONEASTERS

COTONEASTER PRAECOX

This is one of the hardest Cotoneasters which went through 70 degrees below zero without any harm. It has large berries like cranberries which color up in the middle of August and remain on until very late fall. It grows rather flat and makes an ideal plant to combine with foundation plantings, especially with ranch-type houses. We can offer the following for 1955:

	Per 100	Per 1000
Strong, 1-year seedlings, branched, 4 to 8 ins.	\$25.00	\$225.00
Transplants, 2-year, 8 to 12 ins.	50.00	....
Cotoneaster horizontalis, strong 1-year seedlings	10.00	90.00
Cotoneaster divaricata, 1-year seedlings, 4 to 8 ins.	10.00	90.00

C. HOOGENDOORN
Turner Rd. Newport, R. I.

DAISIES

	100	1000
Edgeberg Giant	\$10.00	\$90.00
Mt. Shasta	7.00	60.00
Easter Head	7.00	60.00
May Queen	4.00	30.00

E. F. DuBOSE, HUNTSVILLE, ALA.

DELPHINIUMS

DELPHINIUM BELLADONNA IMPROVED

August-sown field seedlings
\$4.00 per 100, \$36.00 per 1000.
RUSSELL BRECE, R. 3, Delaware, O.

EVERGREENS

EVERGREENS
ROOT-PRUNED AND TRANSPLANTED.
25 at 100 rate; 250 at 1000 rate.
TERMS: As per our published list which
includes satisfactory credit or cash with
order. NO C.O.D.

YOU WILL LIKE OUR PLANTS.

Each, 100	100	1000
ABIES CONCOLOR (Concolor Fir)		
9 to 12 ins. R.P.	\$.30	\$.25 \$0.20
6 to 9 ins. R.P.	.20	.15 .12
ABIES DOUGLASSI (Douglas Fir)		
12 to 15 ins. R.P.	.25	.20 .15
9 to 12 ins. R.P.	.18	.15 .12
6 to 9 ins. R.P.	.10	.09 .07
JUNIPERUS ANDORRA PLUMOSA (Andorra Juniper)		
15 to 18 ins. T.T.T.	.90	.80 .75
12 to 15 ins. R.P.	.75	.70 .65
9 to 12 ins. T.T.T.	.60	.55 .50
JUNIPERUS HETZI (Hetz Blue Juniper)		
15 to 18 ins. T.T.T.	1.10	1.00 .90
12 to 15 ins. T.T.T.	.85	.80 .75
JUNIPERUS HIBERNICA FASTIGIATA (Irish Juniper)		
18 to 24 ins. T.T.T.	.85	.75 .65
12 to 15 ins. T.T.T.	.60	.55 .50
9 to 12 ins. T.T.T.	.50	.45 .40
JUNIPERUS JAPONICA PROCUMBENS (Japanese Creeping Juniper)		
9 to 12 ins. T.T.T.	.60	.55 .50
JUNIPERUS KOSTERI (Koster Juniper)		
12 to 15 ins. T.T.T.	.80	.75 .70
JUNIPERUS PFITZERIANA (Pfitzer Juniper)		
15 to 18 ins. T.T.T.	1.10	1.00 .90
12 to 15 ins. T.T.T.	.85	.80 .75
9 to 12 ins. T.T.T.	.60	.55 .50
6 to 9 ins. T.T.T.	.45	.40 .35
JUNIPERUS SABINA (Savin Juniper)		
15 to 18 ins. T.T.T.	1.10	1.00 .90
12 to 15 ins. T.T.T.	.85	.80 .75
9 to 12 ins. T.T.T.	.60	.55 .50
6 to 9 ins. T.T.T.	.45	.40 .35
JUNIPERUS VIRGINIANA (Eastern Red Cedar)		
2 to 3 ft. R.P.	.55	.50 .45
18 to 24 ins. R.P.	.45	.40 .35
9 to 12 ins. R.P.	.15	.13 .10
6 to 9 ins. R.P.	.10	.08 .06
18 to 24 ins. T.T.T.	.95	.85 .75
12 to 15 ins. T.T.T.	.60	.55 .50
PICEA CANADENSIS ALBA (White Spruce)		
12 to 15 ins. R.P.	.20	.18 .15
9 to 12 ins. R.P.	.13	.10 .08
6 to 9 ins. R.P.	.10	.08 .06
PICEA PUNGENS GLAUCA (Colorado Blue Spruce)		
9 to 12 ins. T.T.T.	.35	.30 .25
6 to 9 ins. T.T.T.	.30	.25 .20
PICEA EXCELSA (Norway Spruce)		
12 to 15 ins. R.P.	.20	.18 .15
9 to 12 ins. R.P.	.13	.10 .08
6 to 9 ins. R.P.	.09	.07 .05
9 to 12 ins. T.T.T.	.30	.25 .20
PINUS BANKSIANA (Jack Pine)		
18 to 24 ins. R.P.	.30	.25 .20
PINUS EDULIS (Nut Pinon Pine)		
12 to 15 ins. R.P.	.20	.18 .15
9 to 12 ins. R.P.	.15	.12 .10
6 to 9 ins. R.P.	.10	.08 .06
PINUS MUGHUS (Mugho Pine), dwarf		
12 to 15 ins. T.T.T.	1.25	1.15 1.00
PINUS NIGRA (Austrian Pine)		
12 to 15 ins. R.P.	.30	.25 .20
9 to 12 ins. R.P.	.12	.10 .08
6 to 9 ins. R.P.	.09	.07 .05
PINUS PONDEROSA (Bull Pine or Western Yellow Pine)		
12 to 15 ins. R.P.	.30	.25 .20
9 to 12 ins. R.P.	.12	.10 .08
6 to 9 ins. R.P.	.09	.07 .05
PINUS STROBUS (Northern White Pine)		
6 to 9 ins. R.P.	.10	.08 .06
THUJA OCCIDENTALIS WOODWARDI (Woodward Globe)		
9 to 12 ins. T.T.T.	.50	.45 .40
6 to 9 ins. T.T.T.	.40	.35 .30
THUJA ORIENTALIS COMPACTA (Chinese Arborvitae)		
9 to 12 ins. R.P.	.20	.17 .15
POTTED AND CANNED EVERGREENS	Each, 100	100
EUONYMUS ALATUS COMPACTUS		
1-gal. cans, 12 to 15 ins.	\$.12	\$.10
4-in. pots, 9 to 12 ins.	.85	.75
EUONYMUS COLORATUS (Purple-leaved winter creeper)		
5-in. pots	.75	.70
4-in. pots	.60	.50
PLUMFIELD NURSERIES, INC.		
Fremont, Neb.		

SEEDLINGS

BIOTA ORIENTALIS, 2-yr., bed-grown in soils prepared to produce fibrous root systems.
2-yr., 10 to 14 ins., \$30.00 per 1000.
2-yr., grafting size, \$45.00 per 1000.
Nandina, 2 1/2-in. pots, 15c.
These are packed to reach you in first-class condition.

SOUTHERN NURSERY

Rt. 7, Box 2544 Oklahoma City, Okla.

PIERS JAPONICA

(Andromeda)

	Per 100	Per 1000
2 to 3 ins. T.	\$.80	\$.75
4 to 6 ins. T.	20.00	175.00

PLANE VIEW NURSERY, Newport, R. I.

EVERGREEN LINERS AND CUTTINGS
POT-GROWN AND TRANSPLANTS

Each, 100	1000
Arborvitae, American, dark green, 1-yr., 6 to 7 ins.	\$.22 \$0.20
Arborvitae, globe Woodward, 5 to 6 ins.	.22 .20
Arborvitae, pyramidal, 1-yr., 5 to 6 ins.	.22 .20
Arborvitae, pyramidal, 2-yr., 6 to 9 ins.	.27 .25
Juniperus Pfitzeriana, Armstrong, 1-yr., 3 to 4 ins.	.24 .22
Juniperus chinensis Pfitzeriana, 1-yr. pots, 6 to 7 ins.	.22 .20
Juniperus chinensis Pfitzeriana, 2-yr. pots, 6 to 9 ins.	.29 .27
Juniperus glauca Hetzi, 1-yr., 6 to 7 ins.	.20 .18
Juniperus glauca Hetzi, 2-yr., 6 to 9 ins.	.25 .23
Juniperus glauca Hetzi, 3-yr., transplants, 12 to 15 ins.	.35 .32
Taxus cuspidata, 2-yr., 6 to 9 ins.	.24 .22
Taxus media No. 8, spreading, 2-yr., 6 to 9 ins.	.24 .22
Taxus Andersoni, 2-yr., 6 to 9 ins.	.24 .22
Taxus Hicksi, upright, 2-yr., 6 to 7 ins.	.24 .22
Canadian Hemlock, 2-yr., 6 to 9 ins.	.24 .22
Euonymus alatus compactus, 2-yr., 6 to 7 ins.	.18 .16
Korean Boxwood, 1-yr., 3 ins.	.20 .18
Viburnum, leather-leaved; 2-yr. pots, 6 to 9 ins.	.37 .35
HEAVY ROOTED CUTTINGS	
From flats, rooted outside in lath house, delivery noted.	
Boxwood, Korean, hardy, 3 ins.	\$.09 \$0.08
Euonymus alatus compactus, 5 to 6 ins., 2-yr., branched	.09 .08
Euonymus reticulatus, 3 to 4 ins.	.07 .06
Euonymus alatus, 3 to 4 ins.	.07 .06
Juniperus chinensis Pfitzeriana, 6 to 7 ins.	.12 .10
Arborvitae, pyramidal, 5 to 6 ins.	.11 .10
Arborvitae, Globe, 4 to 5 ins.	.11 .10
green; 5 to 6 ins.	.11 .10
Taxus cuspidata, 5 to 6 ins.	.11 .10
Taxus Andersoni, 5 to 6 ins.	.11 .10
Taxus media No. 8, 3 to 4 ins.	.11 .10
Taxus Hatfieldi, 3 to 4 ins.	.11 .10
Terms: 2 per cent discount and free packing for cash with order. Our stock guaranteed 100 per cent satisfactory or return within 5 days for full refund, plus full shipping charges paid.	

250 plants at 1000 rate.
MIAMI NURSERY CO.
Tipp City, O.

EVERGREEN LINERS

Each, 100	1000
PFITZER JUNIPER	
2 1/2-in. pots, 1-yr.	\$.18 \$0.15
2 1/2-in. pots, 1-yr. (heavy)	.22 1/2 .18 1/2
2 1/2-in. pots, 2-yr.	.27 1/2 .22 1/2
Field-grown, 1-yr.	.30 .25
Field-grown, 2-yr.	.45 .40
Rooted cuttings	.12 .10
BLUE PFITZER JUNIPER	
2 1/2-in. pots, 1-yr.	.25 .20
Rooted cuttings	.13 .12
ARMSTRONG PFITZER JUNIPER	
2-in. pots, 1-yr.	.22 1/2 .18 1/2
2-in. pots, 2-yr.	.26 1/2 .22 1/2
Field-grown, 3-yr.	.45 .40
HETZ GLAUCA JUNIPER	
2 1/2-in. pots, 1-yr.	.22 1/2 .18 1/2
TAXUS COLUMBICA	
2 1/2-in. pots, 1-yr.	.20 .15
PYRAMIDAL ARBORVITAE	
Field-grown, 4-yr.	.60 .55
WOODWARD GLOBE ARBORVITAE	
2 1/2-in. pots, 1-yr.	.20 .16 1/2
Field-grown, 4-yr.	.60 .55
Field-grown, 2-yr.	.32 1/2 .27 1/2
COMPACT BIOTA ARBORVITAE	
Field-grown, 2-yr.	.40 .35
EXCELSA ARBORVITAE	
Field-grown, 2-yr.	.40 .35
Field-grown, 1-yr.	.32 1/2 .27 1/2
TERMS: Cash with order, free packing. Orders for spring held for 1/4 deposit. 300 plants of one variety at 1000 rate. Not less than 50 of a variety.	

VOGE NURSERY

New Lebanon, O.

ROOTED CUTTINGS

Shipped in air-tight plastic bags.

Spring shipment only.

Let us book your order early. These will be top-quality, well-rooted plants. Less than 250, add 2c per plant.

Each	100
Euonymus radicans, upright (Sarcocoe)	\$.07
Euonymus patens, LL	.05
Euonymus patens Sieboldi	.05
Euonymus alatus	.05
Ilex opaca femina	.18
Ilex crenata convexa	.05
Ilex crenata rotundifolia	.05
Juniperus Pfitzeriana	.07
Juniperus chinensis stricta	.07
Juniperus glauca Hetzi	.07
Juniperus Irish fastigiata	.07
Juniperus squamata Meyer	.07
Juniper, Andorra	.07

PEACE & SON NURSERY

P. O. Box 304 Siloam Springs, Ark.

JUNIPER GRAFTS

We are making the following varieties: Canetti, glauca, Burki, Keteleeri, Dundee, Hetzi and Pfitzer's, other varieties if orders arrive before January 1. Prices, 40c each, regardless of number ordered. Terms: One-fourth cash with order, balance before shipping date, plus packing charges at cost. All cash with order earns free packing. Only virginiana understock used.

T. C. CRUME NURSERY & LANDSCAPING CO.

Highway 42 Florence, Ky.
Phone Atlantic 3-2361

TAXUS, CUTTING WOOD

Excellent strain, good, strong leaders; unrooted cuttings of Taxus cuspidata capitata (Upright Yew) \$30.00 per 1000
Taxus media Hicksi (Hick's Yew) 30.00 per 1000

BULK'S NURSERIES

610 W. Montauk Hwy. Babylon, L. I., N. Y.
Phone Mohawk 9-4400

KOSTER'S BLUE SPRUCE

1-yr. grafts, in qt. cans, \$1.25.
Can ship now.
February grafts, April shipment, 90c.
Order no less than 10.
25 per cent with order.

CLINGER NURSERY

Highway 71 West Rogers, Ark.

TAXUS CAPITATA

Strong 2-year seedlings.
Seed sown lightly.
Plants grown with plenty of room in beds.
\$15.00 per 100, \$125.00 per 1000.

C. HOOGEENDOORN

Turner Rd., Newport, R. I.

JAPANESE BLACK PINE

1-yr. seedlings \$ 30.00 per 1000
2-yr. seedlings 50.00 per 1000
3-yr. seedlings, heavy 100.00 per 1000
Sold out on all heavy and older stock.

BAIER LUSTGARTEN NURSERIES

Jericho Turnpike, Middle Island, L. I., N. Y.

PFITZER JUNIPER

Fine, unrooted cuttings, 12 ins. long, \$15.00 per 1000; same stock, 8 to 10 ins., \$10.00 per 1000.

Express only. Cash.

KRONE'S FLOWER SHOP & NURSERY

4221 Grand Ave. Fort Smith, Ark.

EVERGREENS

See our Classified ad in this issue under LINING-OUT STOCK.

T. G. OWEN & SONS, INC.

Columbus, Miss.

NANDINA PLANTS

3 to 4 ins. high, bed-grown, \$30.00 per 1000, 500 at 1000 rate, Cash.

KRONE'S FLOWER SHOP & NURSERY

4221 Grand Ave. Fort Smith, Ark.

FORSYTHIAS

FORSYTHIA SPRING GLORY

1-yr., hardwood, 18 to 24 ins., \$10.00 per 100, \$75.00 per 1000.

C. HOOGEENDOORN, NURSERYMAN

Newport, R. I.

FRUIT AND NUT TREES

PEAR SEEDLINGS!

This is Pyrus Calleryana. In a recent announcement to the trade over the country, it is noteworthy that the first block of 20 per cent of our offering of seedlings has been booked on a basis like this: 75 per cent of all orders received are from old customers and friends in the nursery trade, whose bookings have been 17 times as many trees as new customers have booked. A good many of these old customers think of this seedling as the fastest growing, as free of blight as any, with a long budding period, from early summer to late fall. The shortage of Pear trees on your sales yard can easily be met by buying liberally of these seedlings. We expect to be able to give oversize grading. No. 1, 3/16 to 1/4-in. caliper, \$45.00 per 1000. No. 2, 1/4 to 3/16-in. caliper, \$35.00 per 1000. No. 3, 1/16 to 1/4-in. caliper, \$25.00 per 1000. Digging and grading now.

WHITEROCK NURSERIES

Dept. NC Crockett, Tex.

CHERRY LARGE MONTMORENCY

1-yr., 1 1/16-in., 4 to 5 ft., 90c; 1/2-in. up, 4 to 6 ft., \$1.00.

APRICOTS AND PLUMS

Apricots, hardy; Early Gold, Moorpark, Superb.

Plums, Bruce, Hanksa, Gold.

2 to 3 ft., 35c; 3 to 4 ft., 45c; 4 to 6 ft., 60c.

THOMAS BLACK WALNUTS (grafted)

2 to 3 ft., 90c; 1 to 2 ft., 60c.

GRAPES, what we think are the best RED, WHITE and BLUE.

Caco (red), Niagara (white), Fredonia (blue) 1-yr. size, \$9.50 per 100, \$90.00 per 1000. 2-yr. size, \$11.50 per 100, \$98.00 per 1000. Concord, 1-yr., \$7.00 per 100, \$65.00 per 1000; 2-yr., \$8.00 per 100, \$75.00 per 1000.

BENTON COUNTY NURSERY CO., INC.

Dept. 5 Rogers, Ark.

FRUIT and NUT TREES—Continued

DWARF PLUM, ROOTED CUTTINGS
Plum Malling St. Julian A. recognized as best understock for dwarfing Plum, Prune, Peach, Apricot, Nectarine, Almond and the flowering forms of all. Compatible with all varieties. Hardy. Orders now taken for spring 1957 delivery. Per 1000, \$150.00; 2500 up, \$140.00. F.O.B. Forest Grove, Ore. Packing at cost. No orders under 1000 accepted.

CARLTON NURSERY CO.
Forest Grove, Ore.

GARDENIAS

GARDENIA MYSTERY
Well-rooted, sturdy plants. Bench-grown in sterilized soil and pots. Out of 2½-in. pots, \$17.50 per 100, \$150.00 per 1000.

Packed 65 to a carton, packing charge, 75c per carton.
F.O.B. Chino, Calif. Cash with order, please.
DESCANSO DISTRIBUTORS, INC.
12492 Pipeline Ave. Chino, Calif.

GARDEN ROOTS

ASPARAGUS
Martha Washington, 1-yr., \$1.75 per 100; Paradise, 1-yr., \$2.00 per 100.
RHUBARB Giant Victoria, ½ to 1-in., \$6.00 per 100, \$50.00 per 1000; 1-in. and up, \$7.00 per 100, \$60.00 per 1000.
SAGE Holt's Mammoth, 1-yr., 10c each, \$7.50 per 100.
HORSERADISH, 1-in. and up, 5c each, \$4.00 per 100.
BENTON COUNTY NURSERY CO., INC.
Dept. 6 Rogers, Ark.

GRAPEVINES

GRAPE CUTTINGS
Concord, Niagara, Fredonia, first-grade cuttings, approximately 10 to 12 ins., 3 or more nodes, wire tied. 5000 or more, \$4.60 per 1000. Less than 5000, \$5.60 per 1000.
CLINGER NURSERY
Highway 71 West Rogers, Ark.

CONCORD GRAPEVINES, 1-YR. NO. 1
100,000 vines, irrigated.
\$8.00 per 100, \$75.00 per 1000.
Finest quality No. 1 vines.
CLINGER NURSERY
Highway 71 West Rogers, Ark.

GRAPE CUTTINGS
Concord and Fredonia, cut from clean, healthy vineyard, largely in Oklahoma, by experienced workmen. Tied with wire, 100 to a bunch, \$5.00 per 1000. F.O.B. here.
IDEAL FRUIT FARM, STILLWELL, OKLA.

GROUND COVERS

VINCA MINOR (PERIWINKLE)
15 to 20-cane clumps, fresh dug, individually made up, \$50.00 per 1000.
Hall's Honeysuckle (Japonica Halliana), branched, \$45.00 per 1000.
Pachysandra terminalis, 1-year, \$55.00 per 1000.

H. C. WAUGH
Gallipolis, O.
PACHYSANDRA TERMINALIS — strong rooted cuttings, \$3.75 per 100, \$35.00 per 1000; \$32.50 for any order of 5000 or more.
Prompt shipment. Beetle zone only.
DUNWOODIE NURSERIES
6 Smart Ave. Yonkers, N. Y.
Phone: Yonkers 5-1473

BART'S BIG LEAF VINCA MINOR
Medium liners, \$1.50 per 100, \$10.00 per 1000.
Heavy liners, \$2.00 per 100, \$15.00 per 1000.
Medium clumps, \$3.00 per 100, \$25.00 per 1000.
BART'S NURSERY, 5th St., Fullerton, Pa.

PACHYSANDRA TERMINALIS
Strong, 1-yr., field-grown, \$65.00 per 1000.
HILLCREST GREENHOUSES, Franklin, Pa.

HARDY PLANTS

FIELD-GROWN PERENNIALS
Pacific Hybrid Delphinium, mixed, 1-year plants, \$6.50 per 100, \$55.00 per 1000.
McKana Giant Columbine, bronze medal winner, 1-year plants, \$10.00 per 100, \$90.00 per 1000.
Mrs. Scott Elliott's Columbine, \$6.00 per 100, \$50.00 per 1000.
Aconitum Fischeri, large tubers, \$10.00 per 100, \$80.00 per 1000.
Chives, strong divisions, \$6.00 per 100, \$50.00 per 1000.

GARDEN SQUARE
413 N. 22nd St. Lewiston, Idaho

HEMEROCALLIS
We are among the largest growers of Hemerocallis, 189 dependable varieties; 14 varieties Liriope, the great border and ground cover plant; hardy Giant Hibiscus, also other items. High-quality stock at reasonable prices. Send for our wholesale list.
RIEDEL PLANT CO., EXPERIMENT, GA.

HELLEBORUS NIGER

(Christmas Rose)

Our own grown.

3-yr. transplants

\$50.00 per 100.

\$450.00 per 1000.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

FEVERFEW ALL-DOUBLE WHITE
100,000 outdoor, sand rooted cuttings, double pure white, extra large; from long improved, carefully selected stock plants, \$2.25 per 100, \$18.00 per 1000. There's no risk to run when you choose rooted cuttings from selected stock!

E. F. DuBOISE, HUNTSVILLE, ALA.

HARDY PLANTS

We have a good selection of field-grown perennials this year, including 30,000 transplanted Pacific Hybrid Delphinium, in named varieties. Be sure and write for our new list.

WALTERS GARDENS

Rt. 2 Zeeland, Mich.

BLEEDING HEART ROOTS

Dicentra spectabilis, 4 to 6-eye, \$280.00 per 1000 (250 roots at the 1000 price); 100, \$30.00; 50, \$16.00; 25, \$8.50; 12, \$4.75.

NEW ENGLAND BULB CO.

Box 743 New London, Conn.

GAILLARDIA SUN GOD

Aristocrat of the flower garden. Produces many solid golden flowers on long, graceful stems. Cut flower or garden. Large field plants, \$3.00 per 100, \$25.00 per 1000.
E. F. DuBOISE, HUNTSVILLE, ALA.

PERENNIALS

New and standard kinds.

New wholesale list now ready.

CARROLL GARDENS

Box 15 Westminster, Md.

America's Best Source

for Hardy Plants is

THE WAYSIDE GARDENS

Mentor, Ohio

Write for Trade List.

Pansies, perennials and rock plants in wide variety. Send for catalog.
PITZONKA'S PANSY FARM & NURSERY
Bristol, Pa.

WELLER'S BETTER PERENNIALS
WELLER NURSERIES CO., Holland, Mich.
Write for trade list.

Turn Stock into Dollars

by Listing It in the Classified Ads

of the American Nurseryman.

HOLLY

HOLLY
Well-rooted, cutting-grown liners out of 3-in. pots.
Ilex cornuta rotunda \$0.35
Ilex cornuta convexa bullata17½
Ilex crenata Helleri30
Ilex opaca Burfordi15
Ilex opaca East Palatka30
Ilex Aquifolium, green35
Ilex Aquifolium, silver variegated45
Packed 35 to a box. Minimum order 3 boxes.
Cash with order, please. F.O.B. Chino, Calif.
DESCANSO DISTRIBUTORS, INC.
Wholesale Growers Chino, Calif.

HOLLY

45 English and hybrid varieties, 25 American, 10 Asiatic. Cutting-grown plants, well-rooted and hardened for spring delivery. Full replacement guarantee to bona fide nurserymen and florists. Write for stock list and new low prices.

WILMAT HOLLY CO.

Box 304

Narberth, Pa.

SEE OUR HOLLY AD ON

PAGE 53.

GLEN SAINT MARY NURSERIES CO.

Glen Saint Mary, Fla.

ILEX CRENATA ROTUNDIFOLIA

4 to 6 ins. \$0.67
6 to 8 ins.12
8 to 12 ins.12
All twice transplanted, grown in outdoor beds more than twelve months, good roots.
B. F. PONDER
308 6th Ave. Lanett, Ala.

ILEX OPACA FEMINA

(American Holly)

Out of quart cans.

8 to 10 ins. \$0.50
10 to 12 ins.55
12 to 15 ins.60

PEACE & SON NURSERY

Box 304 Siloam Springs, Ark.

OREGON ENGLISH HOLLIES

Cut holly. General nursery stock.

May we quote you?

ALFRED TEUFEL

11414 N. W. Cornell Rd. Portland, Ore.

HONEYSUCKLES**HONEYSUCKLES**

Lonicera japonica Halliana, extra-heavy No. 1, 3 and 4-year, 13 to 24-in. field plants, 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample 100, \$4.00. Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone: 500 W. 5.
ROBINSON NURSERY CO., Greenville, Ga.

IVIES**BALTIC IVY**

Strong, clean, well-rooted stock.

Per 100 Per 1000
Rooted cuttings \$ 6.00 \$55.00
2-in. pots 10.00 95.00
Can ship now or later. 25 per cent down to reserve.

STRATFORD GARDENS

Russell Breece Delaware, O.

ENGLISH IVY (HEDERA HELIX)

Our hardy selected, large-leaved strain. Strong rooted cuttings, \$45.00 per 1000. Free packing for cash with order.

BABCOCK GARDENS

Rt. 3 Jamestown, N. Y.

LINING-OUT STOCK**EVERGREENS**

Pfitzer Juniper, XX, field, branched, sheared
14 to 15-in. spread. Caliper ½-in. \$0.55
11 to 14-in. spread. Caliper ½-in.45
9 to 11-in. spread30
6 to 8-in. bands14½
*8 to 10-in. bands20
Andorra Juniper, 6 to 8-in. bands, 2-yr.14½
6 to 10-in., bare-root14½
Blue Hetz Juniper, 6 to 8-in. bands14½
bare-root08
Dwarf Pfitzer (nana), bands, 5 to 6-in.20
Savin Juniper, 6 to 10-in., bare-root06
*6 to 8-in. bands14½
Von Ehrhorn Jun., 10 to 12-in. bands14½
8 to 10-in., bare-root06
Spreading Jap. Yew, 2-yr., 6 to 8-in. bands20
*Burk's Juniper (upright), 6 to 8-in. bands25
*Blue Haven Jun. (upr. acapulorum)25
*6 to 8-in. bands25
*Keteleeri Jun. (upr.) cupressifolia (upr.) and Pathfinder (upr. scop.)25
DECIDUOUS, BARE-ROOT
Buddleia, best blue; 6 to 8 ins.06
Buddleia, best red; 6 to 8 ins.06
Buddleia Snowbank, 6 to 8 ins.06
Blue Spiraea (Caryopteris), 8 to 12 ins.03½
Chinese Beauty-Berry, 6 to 12 ins.03½
Chinese Privet, Wayside Gardens strain; 6 to 12 ins.03½
Foraythia Lynwood Gold, 6 to 10 ins.08
Foraythia Spring Glory, 8 to 14 ins.01
Foraythia Arnold's Giant, new dwarf; 4 to 6 ins.12
Regels Privet, 8 to 12 ins.03½
Hypericum Hidecoat, 4 to 6 ins.08
Spiraea Anthony Waterer, 3 to 5 ins.03½
Spiraea Froebeli, 4 to 6 ins.03½
Spiraea japonica coccinea, 5 to 5 ins.03½
Weigela, dwarf var., 5 to 6 ins.06
Weigela Eva Rathke, 5 to 6 ins.06
Weigela rosea, 5 to 6 ins.04
BROADLEAFS, bare-root
Euonymus coloratus, 6 to 10 ins.03½
Euonymus patens, small, medium or large-leaved; 5 to 10 ins.04
Euonymus radicans (upright) (Sarcocoe), 5 to 8 ins.07
Euonymus radicans vegetus, 5 to 8 ins.06
Pyracantha Lalandi, 5 to 6 ins.05
*Pyracantha Kasan, 5 to 6 ins.12
Purple-leaved Honeysuckle vine, 5 to 6 ins.06
Variegated-leaved Honeysuckle vine, 5 to 6 ins.08
PERENNIALS, bare-root
*Dianthus Little Joe04
*Dianthus Kohankie's Pink04
*Artemisia Schmidtiana (Silver Mound)08
Carnation Crimson King05
Gypsophila Bristol Fairy08
*Phlox subulata Emerald Cushion03½
*Phlox subulata Emerald Blue03½
*Phlox subulata, best pink03½
*Teucrium chamaedrys04
Verbenas, pink05
Verbenas, lavender-pink05
All prices are at 1000 rate; 300 or more total order. Less than 300, add 2c per plant. Staked items for spring only. Other items delivery any time. For parcel post on bare-root plants, add 10 to 12½ per cent.

BOOK YOUR ORDER FOR SPRING.

McINCH GREENHOUSES,

St. Joseph, Mo.

EVERGREEN LINERS

Junipers Per 100
1500 Pfitzer, 4-yr., XX, heavy, sheared, 12 to 15 ins. \$55.00
5000 Pfitzer, 3-yr., XX, 9 to 12 ins. 40.00
500 Andorra, 3-yr., XX, 9 to 12 ins. 35.00
Deduct 10 per cent for shipment this fall or cash with order.

DAMASCUS NURSERIES

Damascus, O.

LINING-OUT LIST
PRICES SUBJECT TO CHANGE
WITHOUT NOTICE.

ALL POTTED LINERS ON THIS LIST ARE PRICED FOR SHIPMENT IN PAPER POTS OR CUPS. THOSE WHO PREFER THE ORDINARY METHOD OF PACKING, OMITTING THIS ADDED PROTECTION, MAY REDUCE 1c PER PLANT. THE 1000 RATE APPLIES ON ALL ORDERS. THEREFORE, PLEASE ORDER IN MULTIPLES OF 25 OR MORE.

	EACH PER 1000
BIOTA AUREA NANA, Berckmann's	\$0.18
2 1/4-in. pots	.20
2 1/2-in. pots	.16
BIOTA BAKERI	.17
2 1/4-in. pots	.16
2 1/2-in. pots	.17
BIOTA BONITA	.16
*2 1/4-in. pots	.17
*2 1/2-in. pots	.17
BIOTA EXCELSA	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.18
BIOTA BIBLYI	.20
2 1/4-in. pots	.18
2 1/2-in. pots	.20
CHAMAECYPARIS LAWSONIANA ALLUMI, Blue Lawson Cypress	.18
JUNIPERUS CHINENSIS PFITZERIANA	.10
Rooted cuttings	.17
2 1/4-in. pots	.18
2 1/2-in. pots	.18
JUNIPERUS CHINENSIS	.10
Rooted cuttings	.17
2 1/4-in. pots	.18
2 1/2-in. pots	.18
JUNIPERUS CHINENSIS PFITZERIANA NANA	.12
Rooted cuttings	.20
2 1/4-in. pots	.25
2 1/2-in. pots	.25
JUNIPERUS FORTUNEI	.08
Rooted cuttings	.12
2 1/4-in. pots	.14
2 1/2-in. pots	.14
JUNIPERUS CHINENSIS VIRIDIFOLIA	.25
2 1/4-in. pots	.26
2 1/2-in. pots	.26
JUNIPERUS COM. CRACOVIA, Polish Juniper	.15
2 1/4-in. pots	.15
2 1/2-in. pots	.15
JUNIPERUS COMMUNIS KIYONOI	.08
Rooted cuttings	.12
2 1/4-in. pots	.14
2 1/2-in. pots	.14
JUNIPERUS HORIZONTALIS	.16
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.17
JUNIPERUS EXCELSA STRICTA	.17
Rooted cuttings	.18
2 1/4-in. pots	.18
2 1/2-in. pots	.18
JUNIPERUS GLAUCA HETZI	.10
Rooted cuttings	.16
2 1/4-in. pots	.18
2 1/2-in. pots	.18
JUNIPERUS HIBERNICA FASTIGIATA	.14
Rooted cuttings	.15
2 1/4-in. pots	.18
2 1/2-in. pots	.20
JUNIPERUS JAPONICA PROCUMBENS	.20
Rooted cuttings	.22
2 1/4-in. pots	.22
2 1/2-in. pots	.22
JUNIPERUS JAPONICA VIRGINALIS	.18
Rooted cuttings	.20
2 1/4-in. pots	.20
2 1/2-in. pots	.20
JUNIPERUS SABINA TAMARISCIFOLIA	.18
Rooted cuttings	.20
2 1/4-in. pots	.20
2 1/2-in. pots	.20
JUNIPERUS VIRGINIANA BURKI	.25
Rooted cuttings	.25
2 1/4-in. pots	.25
2 1/2-in. pots	.25
JUNIPERUS VIRGINIANA KETELEERI	.25
Rooted cuttings	.27 1/2
2 1/4-in. pots	.17
2 1/2-in. pots	.18
TAXUS CUSPIDATA	.10
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.18
TAXUS CUSPIDATA CAPITATA	.10
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.18
TAXUS CUSPIDATA BREVIFOLIA	.17
Rooted cuttings	.18
2 1/4-in. pots	.17
2 1/2-in. pots	.17
TAXUS CUSPIDATA WYMANI	.17
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.17
TAXUS MEDIA ANDERSONI	.17
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.17
TAXUS MEDIA PYRAMIDALIS	.17
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.17
TAXUS MEDIA WARDI	.17
Rooted cuttings	.17
2 1/4-in. pots	.17
2 1/2-in. pots	.17
ABELIA EDWARD GOUCHER	.11
2 1/4-in. pots	.12
2 1/2-in. pots	.14
BERBERIS JULIANAE	.25
2 1/4-in. pots	.25
2 1/2-in. pots	.25
BERBERIS SARGENTI	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.20
BUXUS SEMPERVIRENS CRONI	.22 1/2
2 1/4-in. pots	.12
2 1/2-in. pots	.12
BUXUS SUFFRUTICOSA	.12
2x3-in. TT. BR.	.15
3x4-in. TT. BR.	.15

(Continued in next column)

(Continued from previous column.)

BUXUS JAPONICA	.10
Rooted cuttings	.13
2 1/4-in. pots	.15
*2 1/2-in. pots	.15
CAMELLIA SASANQUA (Dawn)	.15
2 1/4-in. pots	.16
2 1/2-in. pots	.18
ELAEAGNUS FRUITLANDI	.13
2 1/4-in. pots	.15
2 1/2-in. pots	.15
EUONYMUS PATENS, large leaf	.15
*2 1/4-in. pots	.17
EUONYMUS PATENS, small leaf	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.17
EUONYMUS MICROPHYLLUS	.15
PULCHELLUS	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.17
EUONYMUS RADICANS ERRECTA	.15
2 1/4-in. pots	.15
2 1/2-in. pots	.15
GARDENIA FORTUNEI	.12
2 1/4-in. pots	.15
2 1/2-in. pots	.17
ILEX CRENATA CONVEXA EMLATA	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.25
ILEX CRENATA HETZI	.18
2 1/4-in. pots	.20
*2 1/2-in. pots	.20
ILEX CRENATA ROTUNDIFOLIA	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.17
ILEX CORNUTA BURFORDI	.15
2 1/4-in. pots	.15
2 1/2-in. pots	.18
8x12-in. TT. BR.	.25
ILEX CORNUTA FEMINA	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.20
ILEX CORNUTA, male	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.25
ILEX GLABRA, INKBERY	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.20
ILEX OPACA FEMINA, true fruiting variety (Propagated from cuttings, taken from trees of hardy berry bearing Ilex Opaca.)	.27 1/2
*2 1/4-in. pots	.30
2 1/2-in. pots	.30
ILEX VOMITORIA	.25
*2 1/4-in. pots	.25
2 1/2-in. pots	.25
ILLICUM ANISATUM	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.20
JASMINUM FLORIDUM	.06
Rooted cuttings	.10
2 1/4-in. pots	.12
2 1/2-in. pots	.12
LAUROCARPUS CAROLINIANA, Cherry Laurel	.08
8x12-in. seedlings	.10
2 1/4-in. pots	.12
2 1/2-in. pots	.15
LIGUSTRUM IONANDRUM	.20
2 1/4-in. pots	.20
LIGUSTRUM JAPONICUM	.15
2 1/4-in. pots	.15
2 1/2-in. pots	.15
MAGNOLIA GRANDIFLORA	.13
2 1/4-in. pots	.15
2 1/2-in. pots	.15
MAHONIA BEALEI	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.20
3-in. pots	.20
NANDINA DOMESTICA	.04
3x4-in. seedlings	.06
4x6-in. seedlings	.10
2 1/4-in. pots	.12
2 1/2-in. pots	.25
3-in. pots	.25
PHOTINIA SERRULATA	.20
2 1/4-in. pots	.22 1/2
2 1/2-in. pots	.22 1/2
PODOCARPUS MACROPHYLLA	.12
2 1/4-in. pots	.15
*2 1/2-in. pots	.15
PYRACANTHA COCCINEA LALANDI	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.17
PYRACANTHA YUNNANENSIS	.15
2 1/4-in. pots	.17
2 1/2-in. pots	.17
TEUCRIUM CHAMAEDRYIS (Dwarf perennial for borders, edging, etc.)	.15
2 1/4-in. pots	.18
8x10-in. TT. BR.	.18
VIBURNUM TINUS	.18
2 1/4-in. pots	.20
2 1/2-in. pots	.25
BERBERIS THUNBERGI	.15
ATROPURPUREA	.40
2 1/4-in. pots	.50
CORNUS FLORIDA RUBRA	.15
2 1/4-in. pots	.15
3 1/2-in. pots	.15
HYPERICUM PATULUM	.15
2 1/4-in. pots	.15

(Continued in next column.)

(Continued from previous column.)

LAGERSTROEMIA INDICA	.16
WM. TOOVEY	.18
2 1/4-in. pots	.16
2 1/2-in. pots	.18
MAGNOLIA SOULANGIANA	.30
2 1/4-in. pots	.08
SPIRAEA ANTHONY WATERER	.10
4x6-in. rooted cuttings	.15
2 1/4-in. pots	.17
6x8-in. TT. field-grown	.16
8x12-in. TT. field-grown	.16
SPIRAEA REVERESIANA FLORA-PLENA (Double flowering Reeves Spiraea)	.16
2 1/4-in. pots	.16
SPECIAL NOTICE: Items marked by asterisk (*) delivery next spring. All items not so marked ready for immediate shipments or later to suit customers' requirements.	
T. G. OWEN & SON, INC., Columbus, Miss.	
HEDDED STOCK 1-yr. in the open	
Ilex convexa	Per 100 \$20.00 Per 1000 \$180.00
Ilex rotundifolia	20.00 180.00
Sarcococca Hookeriana	25.00
Taxus brevifolia	20.00
Taxus brownii	17.50
Taxus Hickel	17.50
Taxus Hatfield	17.50
Taxus cuspidata	17.50
Taxus capitata, cutting-grown	25.00 225.00
SEEDLINGS AND TRANSPLANTS	
Abies Douglas, 2-yr. S.	4.00 35.00
Acer palmatum, 2-yr. S.	7.50 65.00
Acer palmatum atropurpureum, 2-yr. S.	22.50 200.00
Cornus florida, 1-yr. S.	6.00 50.00
Cornus florida, 2-yr. S.	9.00 80.00
Cornus florida, trans., 2-yr.	11.00 100.00
Euonymus alatus, 1-yr. S.	3.50 30.00
Euonymus alatus, 2-yr. S.	6.00 50.00
Euonymus alatus comp., 1-yr. S.	5.00 40.00
Euonymus alatus comp., 2-yr. S.	6.00 50.00
Ilex crenata, 2-yr. S.	7.00 60.00
Picea Engelmanni, 3-yr. S.	5.00 40.00
Picea excelsa, 2-yr. S.	2.50 20.00
Picea excelsa, 3-yr. S.	3.50 30.00
Picea pungens, 2-yr. S.	3.50 30.00
Picea pungens, 3-yr. S.	4.50 40.00
Pinus austriaca, 2-yr. S.	7.00 60.00
Pinus densiflora, 2-yr. S.	6.00 50.00
Pinus Mugo, Tyr., 2-yr. S.	5.50 50.00
Pinus resinosa, 2-yr. S.	6.00 50.00
Pinus Thunbergi, 2-yr. S.	5.50 50.00
Pinus Strobus, 2-yr. S.	4.50 40.00
Pinus sylvestris, 2-yr. S.	3.00 25.00
Syringa vulgaris, 2-yr. S.	4.00 30.00
Taxus capitata, 1-yr. S.	5.00 40.00
transplants, 1-yr. S.	6.00 50.00
2-yr. S.	10.00 90.00
Tsuga canadensis, 2-yr., transplants, 4 to 6 ins.	9.00 80.00
3-yr., transplants, 6 to 9 ins.	15.00 150.00
4-yr., transplants, 9 to 12 ins.	25.00 250.00
5-yr., transplants, 12 to 15 ins.	36.00 350.00
Heavy liners, field-grown in nursery rows, bare-roots.	
Cornus florida rubra, 1-yr. buds	Per 100 \$150.00
Cornus florida rubra Proser,	
1-yr. buds, 12 to 21 ins.	200.00
Ilex convexa, 8 to 12 ins.	50.00
Ilex rotundifolia, 8 to 12 ins.	50.00
Buxus sempervirens, 6 to 9 ins.	35.00
Pinus Mugo, 6 to 9 ins.	50.00
Pinus Mugo, 9 to 12 ins.	50.00
Pinus Thunbergi, 6 to 9 ins.	30.00
Pinus Thunbergi, 8 to 10 ins.	50.00
Pinus austriaca, 6 to 8 ins.	20.00
Pinus austriaca, 8 to 10 ins.	30.00
Pinus austriaca, 10 to 15 ins.	40.00
Above stock has been transplanted several times, ready to pot in Cloversets for call trade. Special price on large amounts.	
VERKADE'S NURSERIES, Wayne, N. J.	
LINING-OUT STOCK	
Priced per 100	4 to 6 to 8 to
Feljoa Sellowiana	6-in. 8-in. 12-in.
(Pineapple Guava)	\$10.00 \$12.50 \$15.00
Gardenia Fortunei	7.50 10.00
Gardenia Mystery	7.50 10.00
Gardenia radicans	7.50 10.00
Hedera Helix (rooted cuttings)	5.00
Ilex cornuta Burfordi	12.50 15.00 17.50
Ilex crenata macrophylla	12.50 15.00 17.50
Ilex crenata convexa	12.50 15.00 17.50
Ilex crenata rotundifolia	10.00 12.50 15.00
Ilex glabra	10.00 12.50
Magnolia grandiflora	10.00 12.50
Mimosa	7.50
Osmanthus fragrans	12.50 15.00
Viburnum macrophyllum	7.50 10.00
BLACKWELL NURSERIES Semmes, Ala.	
PYRACANTHA COCCINEA LALANDI Hardy stock from selected fruiting plants	
Rooted cuttings, etc. 1-yr., 4 to 6 ins.	Per 100 \$12.50
2 1/4-in. pots, T. 6 to 8 ins., branched.	22.50
3-in. pots, TT., 8 to 10 ins., branched.	22.50
P. KASAN, dwarf form, heavy fruiting.	
3-in. pots, TT., 8 to 10 ins., branched.	32.50
Immediate shipment. Free packing for cash.	
BABCOCK GARDENS	
Rt. 3 Jamestown, N. Y.	

LINING-OUT STOCK—Continued

FALL 1955	SPRING 1956		
LINING-OUT STOCK		Per 100	Per 1000
3,500 Acer platanoides, 2-yr. T.	\$15.00	\$140.00	
1,000 Ampelopsis Veitchii, 1-yr. seedlings	5.50	45.00	
3,000 Ampelopsis Veitchii, 2-yr. T., F.R.	25.00	200.00	
2,000 Ampelopsis Veitchii, 3-yr. TT, F.R.	35.00	300.00	
4,200 Azalea mollis, 2-yr. T.	25.00	200.00	
5,000 Berberis Thunbergi, 3-yr. T., F.R.	25.00	200.00	
10,000 Berberis Thunbergi atropurpurea, 3-yr. T., F.R., 15 to 18 ins.	30.00	250.00	
5,000 Cotoneaster divaricata, 2-yr. T., F.R.	30.00	250.00	
10,000 Cydonia japonica, 1-yr. seedlings	4.50	35.00	
500 Cydonia japonica, 2-yr. T., F.R.	8.50	75.00	
1,000 Ginkgo biloba, 2-yr. T., F.R.	18.00	170.00	
700 Juniperus Hetzi, 2-yr. T., F.R.	40.00	350.00	
500 Juniperus Pfitzeriana, 2-yr. T., F.R.	40.00	350.00	
50,000 Pachysandra, 2-yr.	8.50	80.00	
5,000 Pieris japonica, 1-yr. T.	10.00	90.00	
3,000 Pieris japonica, 2-yr. TT	30.00	250.00	
30,000 Rosa multiflora, seedlings, 2 to 3 mm.	2.50	18.00	
10,000 Rosa multiflora, seedlings, 3 to 6 mm.	3.50	28.00	
5,000 Rosa multiflora, grafting size	5.00	40.00	
1,000 Rosa rugosa, mixed; 1-yr. seedlings	5.50	45.00	
7,000 Rosa rugosa, mixed; 2-yr. T., F.R.	12.50	110.00	
5,000 Rosa rugosa, mixed; 3-yr. T., F.R.	50.00	450.00	
5,000 Thuja occidentalis, 3-yr. T., beds, heavy, 12 to 15 ins.	15.00	125.00	
3,000 Thuja canadensis, 2-yr. T., F.R., 6 to 9 ins.	25.00	200.00	
1,000 Viburnum dilatatum, 2-yr. T., F.R.	25.00	200.00	
2,500 Vinca minor, 1-in. pots	15.00	140.00	
T—once transplanted.			
TT—twice transplanted.			
F.R.—field row.			

Samples mailed on request.
BOULEVARD NURSERIES
Newport, R. I.

LINING-OUT STOCK		Per 100	Per 1000
ILEX C. BURFORDI		\$17.50	\$150.00
8 to 12-in. cuttings		15.00	135.00
12 to 18-in. cuttings		17.50	150.00
ILEX CORNUTA FEMINA			
2½-in. pots		17.50	160.00
8 to 12-in. cuttings		15.00	135.00
ILEX CRENATA BULLATA			
6 to 8-in. cuttings		12.50	110.00
8 to 12-in. cuttings		15.00	135.00
ILEX C. ROTUNDIFOLIA			
6 to 8-in. cuttings		10.00	90.00
8 to 12-in. cuttings		12.50	110.00
12 to 15-in. cuttings		15.00	135.00
ILEX GLABRA, 2½-in. pots		15.00	135.00
ILEX OPACA HOWARDI			
2½-in. pots		17.50	160.00
ILEX OPACA HUMES			
2½-in. pots		17.50	160.00
ILEX O. EAST PALATKA			
2½-in. pots		17.50	160.00

ROOTED CUTTINGS		Per 100	Per 1000
AUCUBA JAPONICA, qt. can		\$25.00	
FEIJOA SELLOWIANA, 2½-in. pots		12.50	
GARDENIA RADICANS, 2½-in. pots		12.50	
FICUS REPENS, 2½-in. pots		15.00	
ILEX VOMITORIA, 2½-in. pots		17.50	
ILEX VOMITORIA, dwarf, 2½-in. pots		17.50	
MAHONIA BEALEI, qt. can		25.00	
NERIUM OLEANDER, pink, 3-in. pots		15.00	
OSMANTHUS FRAGRANS, 8 to 12-in. cuttings		15.00	
12 to 18-in. cuttings		17.50	
PODOCARPUS SINENSIS, 2½-in. pots		15.00	
PYRACANTHA FORMOSANA, 2½-in. pots		17.50	
STAR (CONFEDERATE) JASMINE, 2½-in. pots		15.00	
qt. can		25.00	

All potted liners packed in paper cups with sphagnum moss and waterproof paper and shipped in wire-bound crates. Price list on Azaleas, Camellias, Magnolias and other ornamentals on request.

OVERLOOK NURSERIES, INC.
Route 3 Mobile, Ala.

ROOTED CUTTINGS		Per 100	Per 1000
Pfitzer Juniper, 6 to 10 ins., from open sand beds		\$0.07	
Ilex, Burfordi and rotundifolia		.04	
POTTED LINERS, 2½-IN.			
Ilex, Burfordi and rotundifolia, 6 to 10 in.		.12	
J. G. TSCHINKEL			
115 N. Plymouth	Huntsville, Ala.		

LINING-OUT SHRUBS

	Per 100	Per 1000
Euonymus alatus, 2-yr. T., 6 to 9 ins.	\$17.50	\$150.00
compactus, 3-yr. T., 6 to 9 ins.	17.50	150.00
yedoensis, 2-yr. T., 6 to 9 ins. (Bittersweet Tree)	15.00	125.00
yedoensis, 9 to 12 ins.	20.00	175.00
Forsythia Lynwood Gold, 1-yr. C, 6 to 12 ins.	20.00	165.00
Hydrangea macrophylla rosea (Bouquet Rose, pink French New), 1-yr. T.	20.00	180.00
Kolkwitzia amabilis, 2-yr. T., 12 to 18 ins.	17.50	150.00
2-yr. T., 18 to 24 ins.	22.50	200.00
Lonicera Zabelli, 1-yr. C, 10 to 12 ins.	10.00	75.00
(Best red Honeysuckle), 12 to 18 ins.	12.00	100.00
Ligustrum Vicari, rooted cuttings, 4 to 6 ins.	10.00	80.00
(True dwarf golden type) Pyracantha Runyan Red, T., 6 to 12 ins.	35.00	300.00
12 to 15 ins.	45.00	400.00
Rhodotypos kerrioides, 6 to 12 ins.	10.00	75.00
Rhus Cotinus (Smoke Bush), 6 to 9 ins.	11.00	90.00
Rhus Cotinus, 9 to 12 ins.	13.50	115.00
Viburnum Burkwodii, S. T., 6 to 9 ins.	20.00	175.00
Viburnum Burkwodii, S. T., 9 to 12 ins.	25.00	200.00
Wrightii, S, 6 to 12 ins.	10.00	85.00

EVERGREENS

	Per 100	Per 1000
Buxus Koreana, 2-yr. T., 4 to 6 ins.	\$30.00	\$250.00
Juniper, Andorra, TT, 6 to 9 ins.	20.00	180.00
Andorra, TT, 9 to 12 ins.	22.50	200.00
Juniperus glauca Hetzi, TT, 10 to 12 ins.	22.50	200.00
Pfitzeriana, 6 to 10 ins.	27.50	250.00
Junipers, heavy, 12 to 15 ins.	35.00	300.00
Thuja Americana nigra, TT, 10 to 15 ins.	30.00	250.00
pyramidalis, TT, 10 to 15 ins.	30.00	250.00

Send for complete trade list. Lining-out and finished stock.

Box 5 SCARFF'S NURSERY, New Carlisle, O.

STRONG, STURDY TAXUS LINERS
Excellent roots, bushy tops, healthy and happy.

Each, 100 1000

CUSPIDATA (CAPITATA), Jap.

seed, well spaced		
4 to 6 ins., strong stock	\$0.20	\$0.18
6 to 8 ins., strong stock	.25	.22½
8 to 10 ins., strong stock	.30	.27½
9 to 12 ins., XX, twice pruned	.50	.45
12 to 15 ins., XX, twice pruned	.60	.55
15 to 18 ins., XX, twice pruned	.75	

VARIETIES BELOW, all 2-yr., X, bedded

6 to 8 ins.	.30	.27½
8 to 10 ins.	.35	.32½
10 to 12 ins.	.40	.36

Cuspidata, 8 to 10 ins. and 10 to 12 ins.; densiformis, 6 to 8 ins., 8 to 10 ins. and 10 to 12 ins.; Vermoulen, 6 to 8 ins., 8 to 10 ins. and 10 to 12 ins.; Browni, 8 to 10 ins. and 10 to 12 ins.; Hatfieldi, 6 to 8 ins., 8 to 10 ins. and 10 to 12 ins.; Kelseyi, 6 to 8 ins., 8 to 10 ins. and 10 to 12 ins.

HICKSII, 5-yr., XX, 9 to 12 ins., \$60.00 per 100; 12 to 15 ins., \$75.00 per 100.

NEW VERTICALS, tall, narrow, hardy.

Send for descriptions and prices.

JOHN VERMEULEN & SON, INC.

Neshanic Station, N. J.

LINING-OUT STOCK

Fall, 1955—Spring, 1956

Potted and transplanted stock under lath.

Per 100

Buxus sempervirens, 2½-in. pots \$17.50 |

Canadian Hemlock, 3-yr. T., 12 to 15 ins. 37.50 |

15 to 18 ins. 45.00 |

Cotoneaster divaricata, 2-in. pots 17.50 |

Cotoneaster Wilsoni, 2-in. pots 27.50 |

Cotoneaster Zabeli, 2-in. pots 17.50 |

Euonymus erectus, 2-in. pots 17.50 |

Pyracantha coccinea pauciflora, 2-in. pots 22.50 |

Pyracantha Royleana, 2-in. pots 22.50 |

Taxus cuspidata, 1-yr., 2-in. pots 17.50 |

1-yr., 2½-in. pots 20.00 |

2-yr., 2½-in. pots 22.50 |

3-yr., 2½-in. pots 27.50 |

2-yr. T., 6 to 8 ins. 37.50 |

Taxus Hicksi, 1-yr., 2-in. pots 17.50 |

1-yr., 2½-in. pots 20.00 |

2-yr. T., 6 to 8 ins. 37.50 |

We will be pleased to have you visit our nursery, located 11 miles west of Dayton, O., on Route 35.

Order now for fall, 1955, and spring, 1956, delivery.

FLORAL GARDENS, EATON, O.

LINING-OUT STOCK

Pfitzer Juniper, 4 to 6 ins. 6c |

Ilex Burfordi, heavily rooted cuttings 4c |

Ilex rotundifolia, heavily rooted cuttings 4c |

Ilex Burfordi, 2½-in., 4 to 8 ins., 2-yr. .12c |

Nandina, 2½-in., 6 to 10 ins., 2-yr. .10c |

Euonymus patens, heavily rooted cuttings .10c |

Ligustrum lucidum, rooted cuttings .2c |

E. F. DuBOISE, HUNTSVILLE, ALA.

SATISFACTION GUARANTEED FROM THESE FINE LINERS

Per 100	6 to 8 ins.	8 to 12 ins.	12 to 18 ins.
Buxus Harlandi	\$10.00	\$15.00	150.00
Gardenia radicans	10.00		
Gardenia stricta nana	10.00		
Ilex Cassine angustifolia	15.00		
Ilex crenata microphylla	12.50	15.00	
Ilex crenata rotundifolia	10.00	12.50	
Ilex cornuta Burfordi			
bed-grown liners	12.50	\$15.00	
potted liners	15.00		
Ilex opaca femina			
bed-grown liners	17.50	20.00	
potted liners	20.00		
Ilex vomitoria femina	15.00	17.50	
Ilex vomitoria femina			
18 to 24 ins., \$20.00 per 100.			
Osmanthus fragrans	12.50	15.00	
Osmanthus Fortunei	12.50	15.00	
Pyracantha crenato-serrata			
Graber, potted liners	15.00	17.50	
Pyracantha coccinea Lalandi			
potted liners	15.00		

Write for our latest catalog listing other stock.

COTTAGE HILL NURSERY

Rt. 4, Box 130 Mobile, Ala.

LINING-OUT STOCK

ILEX ROTUNDIFOLIA

Per 100

3-in. pots |

4 to 6-in. cuttings transplant 8.00 |

6 to 8-in. cuttings transplant 10.00 |

8 to 12-in. cuttings transplant 12.00 |

12 to 15-in. cuttings transplant 15.00 |

ILEX CRENATA BULLATA

2½-in. pots 10.00 |

4 to 6-in. cuttings transplant 8.00 |

6 to 8-in. cuttings transplant 10.00 |

8 to 12-in. cuttings transplant 15.00 |

Qt. cans ILEX OPACA 30.00 |

WELCH BROS. NURSERY

Wilmer, Ala.

EVERGREEN LINERS

Please see our display ad in this issue.

NAUGHER NURSERY

Chase, Ala.

LINING-OUT STOCK

Ilex convexa bullata, |

1-year \$150.00 per 1000 |

Bed-grown, 2-year \$50.00 per 1000 |

Field-grown, 3-year, bushy 75.00 per 100 |

DIRKMAAT AZALEA FARM |

516 Stevens Ave. Ridgewood, N. J.

EUONYMUS LINERS

Patens Newport, Carrier and erecta.

2-in. pots, 10c; 2-yr. T., 20c; 3-yr. T., 30c.

Coloratus, 2-in. pots, 10c.

Also Juniperus glauca Hetzi, 2½-in. pots, 15c.

RUSSELL BREECE, R. 3, Delaware, O.

IT WILL PAY YOU TO

GET OUR LIST OF TOP-GRADE LINERS

AS WELL AS FINISHED STOCK.

THE COTTAGE GARDENS

Lansing 17, Mich.

Surplus Stock

can be easily and quickly turned into

Cash

by listing it in the

American Nurseryman Classified Ads.

MAGNOLIAS

MAGNOLIAS

Liners: Nigra, Soulangiana, Iliflora.

8 to 12 ins. \$25.00 per 100 |

12 to 18 ins. 30.00 per 100 |

B&B or bare-root: Nigra, Soulangiana.

2 to 3 ft. \$1.30 each |

3 to 4 ft. 1.60 each |

No extra charge for packing liners and bare-root plants. Add \$1.00 per plant for B&B plants that have to be crated for shipping.

Write us about truck load lots F.O.B. our nurseries.

FLOWERWOOD NURSERY, INC.

Rt. 1, Box 130 Mobile, Ala.

SPECIAL OFFER

We have a small surplus of Magnolia

Soulangiana, 3-year-old plants, from 4 to 6 ft., bed-grown. These plants are in excellent condition, with wonderful roots. Carefully dug and packed, ready for shipment, at only 50c each per 100, 45c each per 1000

ORIENTAL MAGNOLIAS
 MAGNOLIA SOULANGEANA 10 100
 8 to 12 ins., 2-year liners\$3.00 \$25.00
 12 to 18 ins., 2-year liners 3.50 30.00
 18 to 24 ins., 2-year liners 4.00 35.00
BLACKWELL NURSERIES
 Semmes, Ala.

PEONIES

MAY-FLOWERING PEONIES
 Officialis rubra plena, double red; Officialis rosea plena, double pink; Officialis alba plena, double white, \$400.00 per 1000 (250 roots at 1000 price), \$42.00 per 100, \$22.00 per 50, \$11.50 per 25. Recommended for planting in paper pots to sell as a spring plant.

Peonies, sinensis, Adolphe Rousseau, deep red; Albert Crousse, light rose-pink; Edulis Superba, early pink; Felix Crousse, fine red; Festiva maxima, deep red; Karl Rosenfeld, deep red; Mme. Jules Desmets, light pink, 3 to 5-eye roots, \$300.00 per 1000 (250 roots at 1000 price), \$35.00 per 100, \$18.50 per 50, \$9.75 per 25.
SPECIAL: 100 roots, 10 each of 10 varieties, labeled, for only \$35.00.
NEW ENGLAND BULB CO.
 Box 743 New London, Conn.

TREE PEONIES

ONE-YEAR GRAFTS, \$15.00 per 10.
ATHA GARDENS, WEST LIBERTY, O.

PHLOX

If interested in Phlox and other perennials, please send for list.
HENRY LE POIRE
 Rt. 2 Zeeland, Mich.

MARVIN HOEZE
 GROWER OF HARDY PHLOX.
 WRITE FOR PRICE LIST.
 Rt. 2 Lynden, Wash.

RHODODENDRONS

RHODODENDRONS
 For immediate shipment. Unnamed hybrids of hardy ponticum, catawbiense parentage. Good foliage. For understock, growing on or over the counter sales, with firm lightweight ball, twice transplanted, bed-grown.

4 to 6 ins.\$0.20 each
 6 to 8 ins.25 each
 8 to 12 ins.30 each
 50 plants per crate. Order by crate only. Lightweight, expert frost-proofed crating free. Cash with order.
RICHARD P. RESELE NURSERY
 Mulino, Ore.

RHODODENDRON HYBRIDS.
 1-year, field-grown grafted plants imported from Holland in the spring, \$75.00 per 100, \$350.00 per 500, \$650.00 per 1000 lot. List of varieties on demand.
PARMENTIER'S ROSES
 Bayport, L. I., N. Y.

RHODODENDRON HYBRIDS
 1-year, field-grown grafted plants imported from Holland in the spring, \$75.00 per 100, \$350.00 per 500, \$650.00 per 1000 lot. List of varieties on demand.
VERKADE'S NURSERIES, Wayne, N. J.

ROSEBUSHES

ROSEBUSHES
2-YEAR PLANTS.
 Grown, graded and packed to perfection. 246 varieties and 12 different types to choose from.

WRITE TODAY FOR PRICES AND BOOK YOUR REQUIREMENTS NOW!

ROSEMONT NURSERIES
 D. L. Thompson, Owner
 Dept. AN
 Tyler, Tex.

THORNY ROSA MULTIFLORA
 Order for fall or spring delivery
 2 to 3 mm. caliper\$10.00 per 1000
 3 to 6 mm. caliper 16.00 per 1000
 6 to 12 mm. caliper 30.00 per 1000
 Bed-run, 2 mm. up 12.50 per 1000
 10 per cent off on orders of 10,000 or more. No packing charge. F.O.B. Vandalia, Ill.
 Also seed from imported upright plants.
MESTEL NURSERY
 Route 2
 Vandalia, Ill.

NORTHERN OHIO GROWN ROSES
 Naturally matured—Conscientiously handeled
 If you have not as yet received it, ask for our list of Hybrid Teas, Floribundas and Climbers in the newest and best varieties.
 For 30 years a consistently reliable source of finer roses.
GERARD K. KLYN, INC.
 Mentor, O.

MENTOR-GROWN ROSES
 PATENTED AND COMMON
 Visitors welcome. Price list on request.
PINNEY NURSERY, Box 44, Mentor, O.

ROSES

For a dependable source of high-quality, hardy, field-grown roses at reasonable prices, write for our list of standard and patented varieties. Booking orders now for late fall or next spring delivery. The home of good roses.

THE KRIDER NURSERY, INC.
 Middlebury, Ind.

ROSEBUSHES

Give us a try! After several hours trying to write an ad with sales appeal, will simply say they are the best I have ever seen. Write for complete list and prices today.

NEW LONDON ROSES
 Box 876 Overton, Tex.

ROSEBUSHES

CALIFORNIA-GROWN
 2-YEAR, BARE-ROOT
 SEND FOR 1955-56 LIST.

SYLMAR NURSERIES
 P. O. Box 552 San Fernando, Calif.

FIELD-GROWN ROSEBUSHES
FINEST QUALITY
 Hybrid Teas, Floribundas,
 Polyanthas and Climbers.
 Price and variety list on request.

WELLS BROS. NURSERY
 Box 625 Lindale, Tex.

ROSEBUSHES.

Have one of best crops in my 56 years of growing. Heavy No. 1 grade, 35c; No. 1 1/4 grade, 27c; No. 2 grade, 20c each, in 1000 lots. 68 varieties, also 27 patented varieties. List on request.
TATE NURSERY, R. 3, TYLER, TEX.

ARP-GROWN ROSEBUSHES, beautifully packaged for display or direct-to-garden mail order and bare-root for landscape. Service to nurseries for 34 years. Write for price list. **ARP NURSERY CO., WHOLESALE GROWER, Box 3338-A, Tyler, Tex.**

SEEDS**THALICTRUM LAVENDER MIST**

This beautiful hardy perennial has proved outstanding both as a cut flower and for the border.

Generous tr. pkt., \$1.00; \$6.00 per 1 oz.

SUNNY BORDER NURSERIES
 Kensington, Conn.

COLORADO EVERGREEN SEED

Blue Spruce, \$8.50 per lb.; Blue Douglas Fir, \$9.50 per lb. Quantity prices on request. Postage paid if payment with order.

WESTERN EVERGREENS
 Rt. 1 Golden, Colo.

SHRUBS AND TREES

NORTH ALABAMA
FIELD-GROWN LINERS

Juniperus albo-variegata, 1-yr. f.g., 8 to 12 ins.\$12.00
 Andorra Juniper, 1-yr. f.g., 6 to 12 ins. 10.00
 English Juniper, 1-yr. f.g., 12 to 15 ins. 15.00
 Juniperus fastigiata, 1-yr. f.g., 8 to 12 ins. 12.00
 Hetz Juniper, 1-yr. f.g., 6 to 12 ins. 10.00
 Hetz Juniper, 2-yr. f.g., 8 to 12 ins. 15.00
 Hetz Juniper, 2-yr. f.g., 12 to 15 ins. 20.00
 Juniperus Kosteri, 1-yr. f.g., 6 to 12 ins. 12.00
 Savin Juniper, 1-yr. f.g., 6 to 12 ins. 10.00
 Von Ehren Juniper, 1-yr. f.g., 8 to 12 ins. 10.00
 Waukegan Juniper, 1-yr. f.g., 8 to 12 ins. 10.00
 Cotoneaster divaricata, 2-yr. TT, 15 to 18 ins. 15.00
 Euonymus patens, 2-yr. TT, 8 to 12 ins. 15.00
 Jasminum nudiflorum, 2-yr. TT, 12 to 18 ins. 12.00
 Laurocerasus caroliniana, 1-yr (S), f.g., 8 to 12 ins. 5.00
 Ligustrum japonicum, 1-yr (S), f.g., 12 to 18 ins. 7.50
 Ilex Burfordi, 2 1/4-in. pots 15.00
 Ilex convexa, 2 1/4-in. pots 15.00
 Ilex rotundifolia, 2 1/4-in. pots 15.00
ATHENS NURSERY CO.
 Athens, Ala.

FRENCH LILACS

Florence Stepman Michael Buchner
 Ludwig Spaeth Pres. Grevy
 Hugo Koster Chas. Joly
 Rthm von Horstenstein Hugo de Vries
 Charles X. Mme. Lemoine
 1-year buds\$20.00 per 100
 15 to 18 buds, bushy 40.00 per 100
 15 to 18 buds, bushy 55.00 per 100
 18 to 24 buds, bushy 70.00 per 100
 2 to 3 ft., bushy 85.00 per 100
 Free packing if cash accompanies order, or one-fourth with order, rest before shipping or C.O.D.

LITTLE MOUNTAIN VIEW NURSERIES
 Rt. 44 Mentor, O.

SPRING 1956

POTTED GRAFTS, 1-YEAR
 All stock is well-rooted.

Per 100
 Acer palmatum atropurpureum\$75.00
 Fagus sylvatica atropurpurea 75.00
 Pinus parviflora glauca 65.00
 Pinus Cembra 65.00
 Tsuga canadensis Sargentii 65.00
 Wistaria multijuga, lavender 50.00
 Fagus sylvatica, grafting grade, \$12.00 per 100, \$100.00 per 1000.

ROOTED CUTTINGS, BEDDED 1-YEAR

Per 100 Per 1000
 Azalea Hino-Crimson\$15.00 \$125.00
 Azalea Hino-degiri 15.00 125.00
 Pieris japonica 15.00 125.00
 Buxus sempervirens 10.00 90.00
 Euonymus patens 10.00
 Ilex bullata 10.00 90.00
 Ilex crenata 10.00 90.00
 Ilex rotundifolia 12.00 100.00
 Juniper, Andorra 12.00 100.00
 Juniper, communis aurea 12.00
 Juniper, Hetz 12.00 100.00
 Juniper, hibernica 10.00
 Juniper, Pfizer 12.00 100.00
 Juniper, stricta 12.00 100.00
 Pachysandra 4.00 35.00
 Pyracantha Lalandi, potted 15.00
 Pyracantha Lalandi 8.00
 Retinispora plumosa globosa 10.00 90.00
 Taxus brevifolia 10.00 90.00
 Taxus cuspidata 10.00 90.00
 Taxus Hatfieldi 10.00 90.00
 Taxus Hicksi 10.00 90.00
 Taxus repandens 12.00
 Thuja globosa compacta 10.00 90.00
 Thuja globosa Woodwardi 10.00 90.00
 Thuja Geo. Peabody 10.00
 Thuja pyramidalis 10.00 90.00
 Thuja nigra 10.00 90.00
 Thuja Vervaeana 10.00
TRANSPLANTS

Azalea Hino-degiri, 2-yr. trans 30.00
 Azalea Hino-Crimson, 2-yr. trans 30.00
 Thuja occidentalis 10.00 90.00
 Picea excelsa 6.00 50.00
 Picea pungens glauca 7.00 60.00
 Picea, White Spruce 6.00 50.00
 Tsuga canadensis, 8 to 8 ins. 10.00 95.00
 Tsuga canadensis, 8 to 10 ins. 15.00 140.00
 Tsuga canadensis, 10 to 12 ins. 20.00 190.00

1-YEAR SEEDLINGS
 Acer palmatum 4.00 35.00
 Euonymus alatus compactus 5.00 40.00
 Fagus sylvatica 7.00 65.00
 Taxus capitata 5.00 40.00
 Taxus capitata, transplants, 6.00 50.00

2-YEAR SEEDLINGS
 Douglas Fir 4.00 35.00
 Ilex crenata 4.00 35.00
 Taxus capitata, 5 to 8 ins. 8.00 70.00
 Taxus capitata, transplants, 10.00 90.00
 5 to 6 ins. 10.00 90.00
 Thuja orientalis 3.50 30.00
 Wistaria sinensis 5.00
 Syringa vulgaris 3.50 30.00

3-YEAR SEEDLINGS
 Balsam Fir 4.00 35.00
 Picea excelsa 3.50 25.00
 Picea pungens glauca 4.00 35.00
 Picea rubens, transplants 6.00 50.00
 Picea, White Spruce 3.50 25.00
 Pinus densiflora 5.00 40.00
 Pinus Mughus Tyrolean, transplants 6.00 50.00
 Pinus Strobus 3.50 25.00
 Pinus sylvestris 3.50 25.00
 Tsuga canadensis 6.00 50.00
 Tsuga caroliniana, transplants, 10.00

VAN DINE NURSERY
 Berdan Ave. Preakness, N. J.

ORDER YOUR ROOTED CUTTINGS NOW

For spring delivery Cuttings taken from clean, healthy, vigorous plants and rooted by us in our own greenhouses. We are accepting orders for delivery April and May, 1956.

Ilex convexa Juniperus Pfizeriana
 Ilex rotundifolia Juniperus Andorra
 Ilex microphylla Taxus Hicksi
 Ilex Hottelii Taxus Hunnebelliana
 Ilex Glass Taxus cuspidata
 Ilex glabra Arborvitae pyramidalis
 Ilex crenata (upright) Arborvitae Woodwardi (globe)
 Buxus sempervirens

Ilex and Taxus\$85.00 per 1000
 Junipers 80.00 per 1000
 Arborvitae and Boxwood 75.00 per 1000
 Shipped according to your directions. Shipping charges added to order. Packing free.

CONNER & AMOS, INC.
 129 Dutch Road
 Charleston, W. Va.

MAGNOLIAS
 Soulangeana, heavy 6 ft. B&B, \$7.50; heavy 5 ft. B&B, \$6.00; heavy 4 ft. B&B, \$5.00; heavy 3 ft. B&B, \$3.50; 2 to 3 ft., 3-year-old, in beds, \$1.50, B.R.; 18 to 24 ins., 2-year, in beds, \$1.00. Magnolia stellata, 3x3 ft., very heavy B&B, \$4.50; 4x4 ft., very heavy B&B, \$6.50; 5x5 ft., very heavy, \$8.50; 6 ft. very heavy, \$12.50. Also Magnolias, speciosa, nigra, Lennel, rustica rubra, parviflora and Alexandrina.

HAIER LUSTGARTEN NURSERIES
 Jericho Turnpike, Middle Island, L. I., N. Y.
 Phone Yaphank 4-3444

SHRUBS and TREES—Continued

FALL DELIVERY	
Azalea mollis, 3-yr. br., 6 to 8 ins.	\$0.35
altaclearne, 3-yr., 4 to 6 ins., br.	.35
Clematis Ramona, 2-yr.; qt. cans	1.00
Cotoneaster humifusa, 2-yr., T.	.35
Daphne Cneorum, 2-in. pots	.20
Daphne odora, 2-in. pots	.20
Daphne odora, 6 to 8-in. spread	.45
Gentiana acaulis, 6 to 8 ins., 3-yr.	1.00
Jun. tamaricifolia, 9 to 12 ins., 3-yr.	.35
Moerheim Blue Spruce, 2-yr. grafts	1.75
Pernettya, mixed; 2-year, 4 to 6 ins.	.35
Pieris japonica, C.T., 4 to 6 ins., br.	.35
rooted cuttings	.20
Viburnum Burkwoodi, rooted cuttings	.25
Burkwoodi, 3-in. pots	.35
Davidi, 1-yr. transplants	.35
Davidi, 4-in. pots	.65
Woodward Globe Arborvitae, 6 to 8 ins., 2-yr. transplants	.15

Cash with order, please.
FOUR STAR NURSERY
 8215 238th S. W. Edmonds, Wash.

PINK DOGWOOD	
5 to 6 ft., 2-yr., B.R.	\$4.50
4 to 5 ft., 2-yr., B.R.	3.50
3 to 4 ft., 2-yr., B.R.	2.50
20 to 30 ins., 2-yr., B.R.	1.50
20 to 30 ins., 2-yr., B.R.	1.25
2 to 4 ft., 1-yr., B.R.	2.00
10 to 36 ins., 1-yr., B.R.	1.50
24 to 30 ins., 1-yr., B.R.	1.25
18 to 24 ins., 1-yr., B.R.	1.00
12 to 18 ins., 1-yr., B.R.	.65
6 to 12 ins., 1-yr., B.R.	.50
Pink Dogwood, dormant budded liners,	\$25.00 per 100

WHITE DOGWOOD	
5 to 6 ft., 2-yr., B.R.	\$2.50
4 to 5 ft., 2-yr., B.R.	1.50
3 to 4 ft., 2-yr., B.R.	1.00
2 to 3 ft., 2-yr., B.R.	.50
18 to 24 ins., 2-yr., B.R.	.30

IKE HAWKESMITH NURSERY
 Winchester, Tenn.

SHRUBS AND TREES	
	Per 100 Per 1000
Cherry-Laurel, 6 to 12 ins.	\$ 2.00 \$ 15.00
12 to 18 ins.	4.00 30.00
18 to 24 ins.	6.00 50.00
Yaupon Holly, 6 to 12 ins.	5.00 40.00
12 to 18 ins.	8.00 70.00
Magnolia grand., 6 to 12 ins.	8.00 75.00
10 to 30 ins.	12.00 100.00
Wax Ligustrum, 12 to 18 ins.	8.00 70.00
18 to 24 ins.	12.00
Ligustrum japonicum,	
10 to 18 ins.	3.00 25.00
Abelia grand., 5 to 10 ins.	4.00 35.00
Live Oaks, 12 to 18 ins.	4.00 30.00
2 to 3 ft., 1-yr.	10.00 80.00
3 to 5 ft., 1-yr.	12.00 100.00
Longleaf Pines, 1-yr.	3.00 25.00
American Holly, 6 to 12 ins.	10.00 90.00

L. H. BUTTER NURSERY CO.
 Forest Hill, La.

CORNUS FLORIDA RUBRA	
Pink Dogwood from transplants,	
5 to 6 ft., br., 2-yr.	\$4.00
4 to 5 ft., br., 2-yr.	3.00
3 to 4 ft., br., 2-yr.	2.00
2 to 3 ft., br., 2-yr.	1.25
2 to 4 ft., br., 1-yr.	1.50
2 to 3 ft., br., 1-yr.	1.00
18 to 24 ins., 1-yr.	.75

CORNUS FLORIDA PLENA	
Double White Dogwood	
3 to 4 ft., br.	1.75
2 to 3 ft., br.	1.25

CORNUS FLORIDA	
White Dogwood	
4 to 5 ft., br.	1.50
3 to 4 ft., br.	1.00
2 to 3 ft., br.	.50

Add 50c extra for B&B.
CRIMSON DALE NURSERY
 Winchester, Tenn.

JAPANESE RED MAPLE SEEDLINGS
ACER PALMATUM ATROPURPUREUM
 Nicely branched transplants, ready for potting or open field planting.

	Each, 100	250 up
2-yr., 6 to 10 ins.	\$0.48	\$0.45
2-yr., 10 to 15 ins.	.60	.58
3-yr., 6 to 10 ins.	.62	.60
3-yr., 10 to 15 ins.	.75	.73

Extra well-branched (pinched back) transplants for field planting or potting in 6-in. pots as a garden mart item.
 Shipped dormant, packed in sphagnum moss. A 20 per cent deposit requested on all orders, balance before delivery or C.O.D. unless otherwise agreed.

ALL SEEDLINGS OFFERED FOR SALE ARE 100 PER CENT RED.

HUBBS NURSERIES
 Rt. 130 Riverton, N. J.

CHINESE ELM
 Transplants, branched.

	Per 100
4 to 6 ft.	\$25.00
6 to 8 ft.	50.00
8 to 10 ft.	90.00

25 at the 100 rate. Liberal grading.
 Liners of the above 2 to 4 ft. Most all will run 3 to 4 ft., \$5.00 per 100, \$45.00 per 1000.

GRUNDY'S GARDENS
 Anton, Tex.

SHRUBS AND TREES

EUNYMYUS VEGETUS, 4 leaders	
Each, 100	1000
and up, 2 yrs. in nursery row.	
10 to 12 ins., br.	\$0.50 \$0.45
12 to 15 ins., br.	.55 .50
15 to 18 ins., br.	.75 .70
8 to 10 ins., special, 3 leaders.	.30 .25
PACHISTIMA CANE, 6 to 8 ins.	.35
VIBURNUM BURKWOODI , bare-root	
15 to 24 ins.	\$0.50 \$0.45
24 to 30 ins.	.75 .65

Ask for our complete list of finished nursery stock. Also liners of Ilex rotundifolia, Hetzel, convexa, Pieris japonica. True red Japanese Maples, Azaleas, Palestrina, Ohelo, Kathleen, Fedora, Aladdin. Fine stock for our loose bottom one-gallon Nurseries.

GERARD K. KLYN, INC., Mentor, O.
 Wholesale Rose Growers and Nurserymen

FALL DELIVERY

EUNYMYUS VEGETUS	
Large-leaved winter creeper, 12 to 15 ins.	\$0.90
DEUTZIA GRACILIS	
Slender Deutzia, 15 to 18 ins.	.50
18 to 24 ins.	.60
PHILADELPHUS AUREUS	
Golden Syringa, 15 to 18 ins.	.80
18 to 24 ins.	.90
2 to 3 ft.	1.00
PHILADELPHUS VIRGINALIS	
Double Mock-Orange, 18 to 24 ins.	.35
2 to 3 ft.	.45
3 to 4 ft.	.65
SPIRAEA ANTHONY WATERER	
15 to 18 ins.	.45
18 to 24 ins.	.65
FRENCH NURSERY CO., CLYDE, O.	

PYOMY DWARF RED BARBERRY

	Per 100	Per 1000
4 to 6 ins., 2-yr., T.	\$35.00	\$300.00
6 to 8 ins., 2-yr., T.	45.00	400.00

PYRACANTHA RUNCYAN RED

(Best hardy orange-red, heavy fruiting type.)

	Per 100	Per 1000
9 to 12 ins., T.	\$35.00	\$300.00
12 to 15 ins., T.	45.00	400.00

VICARY GOLDEN PRIVET

(True dwarf type.)

The aristocrat of golden leaved shrubs.

Rooted cuttings, 4 to 6 ins. \$10.00 \$80.00

Send for complete trade list.

SCARFF'S NURSERY, INC.

Box 5 New Carlisle, O.

VIBURNUM CARLESI

This is the first time since the beginning of the war that we have been able to offer a supply of Viburnum Carlesii seedlings. All these years we have not been able to buy any seed and still cannot, but can offer these seedlings because we have our own seed by this time. We offer the following for spring, 1956:

	Per 100	Per 1000
Strong, 2-yr. seedlings	\$15.00	\$125.00
4 to 6 ins.	20.00	175.00
6 to 8 ins.	30.00	250.00
8 to 12 ins.	35.00	300.00

Transplants, branched, mail-order size, 12 to 18 ins., \$75.00 per 100.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

SHRUBS AND TREES

ACER PALMATUM, transplanted

understock \$10.00 \$85.00

ACER PALMATUM ATROPURPUREUM, 1-yr. seedlings, 6 to 8 ins.

 15.00 125.00 || **Fagus sylvatica**, 6 to 10-in. seedlings | 8.50 75.00 |
Myrica pensylvanica, 1-yr. seedlings, 4 to 8 ins.	4.00 35.00
\$30.00 per 1000, lots of 5000 and over.	
Thuja orientalis, transplanted understock	7.50 65.00
Viburnum Wrighti, 6 to 8-in. seedlings	10.00 75.00

HESS' NURSERIES

P. O. Box 788 Mountain View, N. J.

LINING-OUT STOCK

Per 100

Deutzia gracilis, transplants,

8 to 12 ins., bushy \$15.00

Viburnum tomentosum, 2-yr. transplants, 8 to 12 ins.

17.50

Spiraea Anthony Waterer, transplants, 6 to 8 ins.

15.00

Viburnum Lantana, transplants, 10 to 15 ins.

12.00

Mahonia Aquifolium, seedlings, 3 to 6 ins., bed-run

4.00

JOHN HOS NURSERY, CLYDE, O.

ACER DASYCARPUM (SILVER MAPLE)

Per 100 Per 1000

6 to 12 ins., S. \$1.25 \$ 8.00

12 to 18 ins., S. 2.00 12.50

12 to 18 ins., T. heavy 3.00 20.00

18 to 24 ins., T. heavy 3.25 30.00

4 to 6 ft., br. 35.00

ULMUS PUMILA (Chinese Elm)

Per 100 Per 1000

6 to 12 ins., S. \$1.00 \$ 8.00

12 to 18 ins., S. 1.50 12.50

EDMOND L. BABCOCK NURSERY

32 West Ave. Danville, N. Y.

ACER PALMATUM (JAPANESE MAPLE), Grafting size, \$10.00 per 100, \$90.00 per 1000.

C. HOOGENDOORN, NURSERYMAN

Newport, R. I.

HEAVY ROOTED FIELD-GROWN LINERS

	100	1000
Greek Juniper, 8 to 12 ins.	\$0.12	\$0.18
Heiz Juniper, 6 to 8 ins.	.17½	.15
Savin Juniper, 6 to 12 ins.	.12	.10
Abelias, 8 to 12 ins.	.10	.07½

ALSO IN POTS

Burford Holly, 2½-in. pots .18 .15

B&B stock, general run nursery stock, get my prices. Will appreciate having you visit my nursery at Kolola Springs, Miss. Terms:

Cash; 2 per cent discount, packing free.

GRANT'S NURSERY, Kolola Springs, Miss.

FLOWERING CRABS

40 varieties, best of the old and newer varieties. 1-yr. whips and branched. Also 3-yr., once transplanted, 6 to 8 ft. Descriptive booklet available.

THUNDERCLOUD PURPLE-LEAVED PLUM

1-yr., well-branched; sizes to 6 ft. and over.

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No. 5, 14x16x2 3/4	275	21.50
No. 6, 14x16x3 3/4	290	25.50
No. 7, 15x22x2 3/4	380	28.50
No. 8, 15x22x3 3/4	425	33.00
No. 9, 11 1/4 x 22x2 3/4	320	23.00
No. 10, 11 1/4 x 22x3 3/4	400	26.75
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5 per cent discount on orders of 1000 or more.

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	Price per carton.		
8x 1/2 ins. (cartons 250 each)	2.50	3.00
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PEACH DEATH RIDDLE

Hurricanes, drought and heavy rains may have hit young peach trees in New Jersey harder than first signs indicated. Ernest G. Christ, extension fruit specialist, Rutgers University, New Brunswick, N. J., reports owners of young orchards showed him dying trees during early September, with symptoms like those that are seen when the trunk is girdled. In some orchards he could say for sure that too much soil moisture had caused the condition.

In October, the specialist saw more of the same injury in young orchards, particularly in the Glassboro-Richwood area. Most of the dead trees were 2 or 3 years old. Younger and older ones seem to have escaped damage.

In most cases, roots appeared healthy, but entire root systems appeared smaller than usual for the size of the top of the tree. Injured areas of the trunks included the bark and cambium, which looked brown. Sometimes the wood was off-color.

Some trees appeared to have been dead for some time, while there was evidence in other cases that death occurred since about mid-August.

Mr. Christ and other members of the department of horticulture are following up on the problem, but at the moment, weather damage seems the most likely explanation. Most damage has been found in areas hard hit by hurricane Hazel in 1954.

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HOLLY SOCIETY MEETS

[Continued from page 8]

disease is the wilting of the current season's growth. Often, affected tips are completely defoliated, leaving curved, bare twigs, which are quite noticeable. Freshly killed twigs and leaves are black, as in frost injury. The disease differs from frost injury in that it generally appears on a limited number of stems, usually at the top of the tree. Frost injury, too, is generally more prevalent on young shoots, especially on those in the lower parts of the tree. In addition, frost injury is most often confined to the tips of the young growth, whereas fusarium dieback extends at least to the base of the current year's growth and at times into the older branches.

President Wolf presented the society's certificate of honor to Dr. Charles H. Connors, saluting him as one of the old-timers, long interested in holly, as chairman of the variety selection committee, as a former vice-president and for work in establishing the holly orchard and arboretum at New Brunswick.

Daniel Fenton, meetings' committee chairman, reported that the trustees of the society had approved a meeting at Clemson College, Clemson, S. C., January 17, 1956. The regular spring meeting will probably be held at the Brooklyn Botanical Garden, Brooklyn, N. Y., and the fall meeting will be held at Portland, Ore., with the Men's Garden Club of Portland acting as host. The Portland meeting, Mr. Fenton related, will provide opportunity for easterners to see the west coast holly orchards before the Christmas harvest cutting season. The spring meeting in 1957 will be held at the University of Maryland, College Park, to commemorate the 10th anniversary of the founding of the society in Maryland. Maryland's extension forester, Harry William Dengler, will be the chairman of the program committee at this affair.

Holly Leaf Miner

Dr. Clyde C. Hamilton, chairman of the committee on insects, stated that there is little new information on holly pests over that presented at the previous meeting. Some observations, however, indicate that the European holly leaf miner infests the native inkberry, *Ilex glabra*. While few members cultivate the inkberry, this infestation should be of interest, since it serves as a source from which American holly can become infested.

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late March or early April has continued to give good control of the southern red mite on American holly and on *Ilex convexa bullata*. This control has been much better than that obtained with applications of summer acaricides.

Considerable information has become available over the past eight or nine years, on spider mites and insects attacking holly, Dr. Hamilton said. He hoped that either the society or the experiment station could include these data in a circular or bulletin by next year.

Holly Arboretums

Dr. Ben Blackburn, Drew University, Madison, N. J., reporting for the arboretum committee, stated that four arboretums and institutions had requested help in establishing holly collections during the year. While the committee members wish to be as helpful as possible in this matter, they themselves have no facilities for distribution of plants or cuttings, aside from those within the means of individual members. The doctor urged individual society members to make available plants or propagating material of hollies they wish tested or displayed by designated or cooperating arboretums. It is only by comparisons under varying conditions that the merits of new selections can be evaluated, he observed. The Preliminary Holly Check List, bulletin 6, Holly Society of America, Inc., is of unique value to anyone wishing to learn the commercial sources of hollies grown in North American, as well as arboretums where specimens can be studied.

As usual at society functions, the members brought in an interesting and impressive display of hollies. Henry White, Cape May, N. J., had plants of *I. coriacea*, the tall gallberry. These were collected in North Carolina and survived in New Jersey. While not too showy, the plant is interesting.

John C. Swartley, Philadelphia, Pa., showed a variety of hollies adapted to foundation plantings and landscaping purposes for newcomers who might not yet be too familiar with species and varieties. He called attention to *I. glabra compacta*, a dwarf compact inkberry, not noted in the society's check list.

Mrs. F. Leighton Meserve, St. James, N. Y., exhibited plants of *I. yunnanensis* and *I. rugosa*, grown from seeds collected in the Orient.

Holly plants 4 years old in 10-quart water buckets were merchandise new to most society members.

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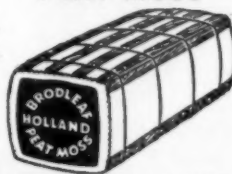
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chief, New Jersey plant quarantine service, Trenton, N. J., William Boyd, New Jersey department of agriculture, presented his paper on ethics and policing nursery stock.

Ilex Cornuta Burfordi

Daniel Fenton reported on the history and origin of *I. cornuta burfordi*, since considerable conflicting articles have been written about this subject. More than 50 years ago, a package of *I. cornuta* seeds was sent to the West View cemetery, Atlanta, Ga., by the U. S. D. A. The seeds were planted by Thomas Burford, then gardener at the cemetery. Three plants of those growing were later located as specimens in a general landscape scheme; later, one of these died, leaving two. Cuttings were taken by Mr. Burford and rooted.

W. L. Monroe, then of the C. A. Dahl Co., Atlanta, Ga., saw these plants in 1919 and prevailed upon Mr. Burford to sell one for \$35, agreeing to name the tree after him for the privilege of taking cuttings from the original tree. At first, the Dahl Co. propagator, William Rimpson, found propagation difficult, but finally hit upon the correct method, and the plant was soon on the Atlanta market. It was not long afterward, according to Mr. Moore, that nurserymen in various parts of the United States were interested in obtaining plants and cuttings, especially in the states of Alabama and California.

H. Gleason Mattoon, Narbeth, Pa., reported as a delegate to the American Horticultural Congress held at Washington, D. C., the latter part of October.

Holly Society Research

After lunch, Dr. Ralph Dodge, Cecilton, Md., chairman of the newly appointed research committee, discussed the plans for his group. Some of the objectives of this committee's work will involve developing or finding American hollies with foliage as glossy as that of English holly, what cultivation measures are needed to grow hollies more widely, causes and control of the purple blotch on American holly leaves, how to produce abundant crops of large berries each year for commercial orchards, the compatibility of scions to grafting understocks of various species, the compatibility of pollen for hybridization and what holly seeds need stratification for good germination results.

Other areas of exploration, Dr. Dodge continued, include hardiness tests of various hollies, suitable

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The S-W Supply Co., 8, 33, Girard, Kan.

male Chinese varieties, chromosome counts of holly species, hybridization of American and English varieties and other species and rooting in various types of containers. Dr. Dodge's committee plans to set up a series of research projects on a scientific basis and to allow interested amateur members to work on these problems under guidance of a research specialist. In this way, he said, much more research can be accomplished on limited funds, members may enjoy that thrill of discovering something new and more members can have the pleasure of presenting papers at future holly society meetings.

Dr. William E. Snyder, new head of the department of ornamental horticulture, Rutgers University, traced the results of the holly research program at his institution. In the past, Rutgers worked on nutrient studies, variety trials and seed germination. This work is, of course, continuing. Sex studies of holly seedlings showed a ratio of seven males to one female in 1954 and a ratio of three males to one female in 1955, originating from a common lot of seeds. What the proportion of males to females will be as all the seedlings become sexually mature will be interesting to learn.

Work at Rutgers, Dr. Snyder explained, is currently involved with techniques of rooting holly under mist and the ecological study by Dr. Clark. While it is difficult to make commitments for the future, Dr. Snyder hopes to increase the number of varieties in the arboretum for testing and to continue the orchard practices and parthenocarpy studies. He felt there should be an increase in investigation into holly nutritional requirements, holly breeding and container growing of holly.

Charles E. Hess, Cornell University, Ithaca, N. Y., presented an illustrated talk on mist spray propagation.

The meeting ended with a program of special interest to the ladies. Prof. Henry Orr, Alabama Polytechnic Institute, Auburn, Ala., displayed a series of flower arrangements, featuring holly, suitable for the various holiday seasons of the year and for other festive occasions.

NORTHWEST LANDSCAPING CO., 7435 Parkstone lane, Birmingham, Mich., is a new business started by Richard Kalenowski.

WILLIAM C. KOHUT filed for a certificate to operate the Ligonier Valley Nursery at 243 East Eighth avenue, Homestead, Pa., the early part of November.

HUMUS *from* LEAF MOLD



**12 CUBIC FEET SHREDDED
IN 15 SECONDS!**

Leaf mold, coarse textured and refuse laden, is shredded and aerated with a Royer and discharged free of all trash . . . ready for use as a rich humus for lawns or gardens. A twelve cubic foot charge of material is fed into the hopper of the Model NCYP-EG Shredder by a tractor driven front end loader and the entire load is prepared and discharged in 15 seconds.

If you have a soil preparation operation, in any quantity, there is a Royer Shredder available for your needs. Capacities range from a small machine, hand shovel fed by one man, to the large "Y" units handling all that bucket loaders can supply. Made in electric motor, gasoline engine or belt-to-tractor driven models.

For rapid, efficient production of compost that is properly mixed, shredded and aerated, investigate the complete line of Royer equipment. Bulletin 55-SY giving full information will be sent on request.

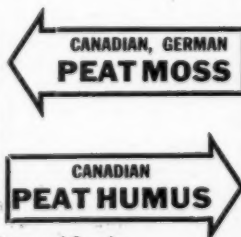
ROYER foundry & machine co.

182 PRINGLE ST., KINGSTON, PA.

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FAFARD HORTICULTURAL PRODUCTS

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SIZES
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BALES,
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AVAILABLE
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IN BULK.

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Phone: LOCUST 7-3316

TREE WOUND DRESSING

For the protection of wounds after pruning use Bartlett Tree Paint. Easily applied with ordinary paintbrush.

RETAIL PRICE—LESS THAN CASE LOTS

1/2-pt. can (48 per carton).....	\$0.60
1-pt. can (48 per carton).....	.90
1-qt. can (24 per carton).....	1.60
1-gal. can (6 per carton).....	3.50

**JOBBER'S DEDUCT 50% FOR
CASE LOTS F.O.B. DETROIT**



This attractive steel display rack fully stocked costs you only \$7.25 F.O.B. Detroit. Retail value \$14.50. Refills at Jobbers' prices.

Here's a fast-moving specialty which sells to state highway depts., city and country parks, tree experts, cemeteries and fruit growers. Every tree owner is a prospect. Ask for catalog No. 35 for a full line of "Tree Trimming Equipment."

Rock Displays—6 1/2 pts., 5 pts. and 4 qts.

M-414 PRUNING SAW

The axe handle, which is especially made for this saw, is properly tapered to fit the head and is 36 ins. long.

M-414 Meylan Saw, complete with 16-inch blade\$12.00

M-414 Meylan Saw, complete with 18-inch blade\$12.50

Jobbers' Price

Jobbers Deduct 50% for dozen lots F.O.B. Detroit.

BARTLETT MFG. CO.

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DETROIT 2, MICH.

Be a Dealer for PETER-RABBIT REPELLENT

Learn how you can make added income by carrying this safe, sure rodent repellent.

Write for complete details.

CASTLE CHEMICAL CO.
CASTLE ROCK, MINN.

OBITUARY**Arthur Shadow**

Arthur Shadow, who conducted the Shadow Nursery Co., started by his father, the late Joe Shadow, at Winchester, Tenn., died recently, after a short illness, at the age of 68. Mr. Shadow was a native of Franklin county, Tennessee, in which his family had been one of the first to start a nursery business, and he was a member of the American Association of Nurserymen. Surviving Mr. Shadow are his widow, Mrs. Annie Wooten Shadow; a daughter, Mrs. John Hunter, Jr., Huntland, Tenn.; a son, Jack Shadow, Chattanooga, Tenn., and four brothers, three sisters and two grandchildren.

Carl Leslie Whipp

Carl Leslie Whipp, 74, of Whipp's Nursery, Callahan, Fla., died October 31. Born in Pennsylvania, Mr. Whipp moved to Florida as a young man and became manager of Mills the Florist, Inc., with which he was associated for many years. He established Whipp's Nursery in 1927, with his son Shannon, the firm specializing in rooted cuttings and lining-out stock of ornamentals. Mr. Whipp was a member of the Florida Nurserymen's and Growers' Association and had been prominent in several florists' organizations and in Masonry. He was a member of the Union Congregational church at Jacksonville.

James E. Hendry, Jr.

James E. Hendry, owner and operator of the Everglades Nursery, Fort Myers, Fla., died November 8 of injuries received in an automobile accident two days previously.

Mr. Hendry opened the Everglades Nursery in 1908. In 1915 he was elected to Fort Myers' first park board. His work is said to be largely responsible for making Fort Myers known as the city of palms, and his last project was to plant the new hibiscus gardens in the city.

Mr. Hendry was the first professional nurseryman to receive the Johnny Appleseed award, presented by the Men's Garden Club of America at Houston, Tex., last April. He had won wide acclaim for his hybrid bougainvilleas and was said to be the first grower in Florida to graft gardenias on a root knot resistant understock.

A fund has been set up for the eventual construction of the James

CELLU-SNO

No. 46, new improved white cellulose flocking.

5 lbs.	\$ 3.50
10 lbs.	6.00
50 lbs.	27.50
100 lbs.	50.00

COLORED CELLU-SNO

Red, yellow, pink, blue, green and chartreuse.

1 lb.	\$1.10
5 lbs.	5.00
10 lbs.	9.50

FLOCKING GLUE

1 gal.	\$1.50
5 gals.	6.00

**FLOCKING GLUE
CONCENTRATE**

1 gal.	\$2.75
5 gals.	9.50

Each gallon of concentrate will make 2 gallons of glue. Full directions given with each order.

Write for prices on hand and power flocking guns.

Cellu-Sno samples sent on request.

Full directions for successful flocking sent with each order.

TERMS: Cash with order, unless credit has been established.

ECONOMY FLORAL SUPPLY CO.

Box 96
MENASHA, WIS.

KEEPS ROOTS MOIST

* When packing bare roots or deciduous stock for shipment or storage, use Wood Feathers brand cedar shavings (red cedar shingle tow). There are 3 reasons for Wood Feathers' superiority:

1. Large moisture-absorbing capacity.
2. Will retain moisture for a long period of time.
3. Economical and easy to use.

Wood Feathers
BRAND
CEDAR SHAVINGS

MONARCH SHINGLE CO.

P. O. BOX 98 N. PORTLAND, ORE.

Liquid Hormones For ROOTING CUTTINGS

Now you can root your cuttings by merely soaking hundreds at a time for a few moments in Hormex solution before inserting in medium—or by flooding the medium before or after inserting cuttings. Liquid is cheaper, faster, easier than powder.

Hormex is also widely used for spraying to stop blossom or fruit drop, or set blossoms into more fruit and seed.

Economy size, \$2.49, prepaid, makes 8 to 100-gallon solution. Money-back guarantee.

BENSON-MACLEAN Bridgeton 2, Ind.

Roots Cuttings—Sets Blossoms

HORMEX

Nursery Wrap Sheets
POLYETHYLENE-COATED KRAFT
furnished in sheets or rolls.

COTSWOLD FIBRES, INC.
P.O. Box 1158
COLUMBUS, GA.

E. Hendry hospital gardens, at Lee Memorial hospital, as a memorial to Mr. Hendry and in recognition of his work through the years in the beautification of Fort Myers.

Fred Alfred Elk

Fred Elk, owner of Elk's Nursery, Fort Bragg, Calif., died October 22, at the age of 51. He is survived by his widow, Mrs. Theodora Elk; his mother, and a brother and a sister.

Dr. George F. Will

Dr. George F. Will, president of Oscar H. Will & Co., Bismarck, N. D., died in a Bismarck hospital, October 2, at the age of 71.

Graduated from Harvard University in 1907, he was awarded an honorary degree of doctor of science in 1940 by the North Dakota Agricultural College in recognition of his research in and writing on plant development and anthropology.

Among his published books are "Corn Among the Indians of the Upper Missouri"; "The Mandans; a Study of Their Culture, Archeology and Language"; "Corn for the Northwest," and "Notes on the Arakara Indians and Their Ceremonies." His numerous articles on trees, plants and Indians as published in Dakota Horticulture added to the distinction of that esteemed gardening journal.

He introduced many varieties of field corn, squash, beans and other vegetables. Two of his woody introductions were Schubert chokecherry and Northwest poplar.

GARDEN SHOP REPORTS

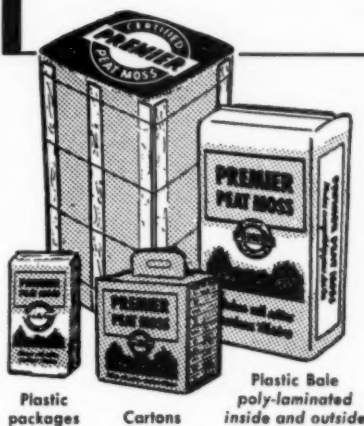
[Continued from page 11]

from the dry summer. We had hoped to build up much more of a reserve for the day when the consumer credit bubble will burst. At least we now possess an irrigating dam and system which will be adequate for even worse dry spells, if such are possible.

"Our fall sales (July 1 to December 31) over a period of years average 45 per cent of the annual. This year is holding true to form, and we are set for a record-breaking Christmas season, weather permitting.

"Our garden shop activity is relatively limited to the sale of plants, fertilizer, peat and insecticides. We have avoided expansion into the hardware and gift shop business, because we are located at the focal point of a half-dozen county seats, none closer than 14 miles. We feel that, so far as counter trade is concerned, there is a better chance of getting customers to drive our way

Boost your profits with these 2 BIG SELLERS!



Plastic packages

Cartons

Plastic Bale poly-laminated inside and outside

PREMIER PEAT MOSS

Home gardeners get such good results when they use Premier Peat Moss that they become steady, year-round customers.

Premier is supplied from many sources—European peat moss in burlap-wrapped bales from nearest ports, and Canadian peat moss for direct shipment from our own Canadian factories.

Premier's plastic bales are sensational sellers! They're rot-proof, moisture-proof—can be stored outdoors! Display them now—also Premier's quick-selling plastic packages, cartons and bales!



The peat humus with EXTRA FINE texture!

Double, Plastic and Burlap Bags

Plastic Packages

The New SOIL X-PEDITER

There's just nothing like this new peat humus—with such extra-fine texture—such wonderful smoothness—such tremendous appeal to every home gardener!

Premier Soil X-pediter stores more water and plant food—makes fertilizers do a better job—provides a free-flowing, easy-spreading top dresser! Every gardener who tries it keeps buying it!

Display Soil X-pediter's colorful packages and bags—they sell themselves!

Write, wire or phone for details

PREMIER PEAT MOSS CORP., 535 FIFTH AVENUE, NEW YORK 17, N. Y.

Actionized...for speedier more efficient SOIL SHREDDING!

ONLY LINDIG shredders pass all soil through exclusive patented shredding blades...guaranteed perfect shredding of all material...soil, compost, peat, sphagnum moss, etc. Screening Attachment removes rocks and other unwanted particles. From \$95.00.



POSITIVE SHREDDING BLADES!

LINDIG MFG. CO., INC.

1875 W. County Road C—St. Paul 13, Minn.



BEGINNING IN THE NURSERY BUSINESS, by J. J. Pinney. Complete series of articles. 50c. American Nurseryman, Chicago 4, Ill.

WHAT'S THE SIZE OF YOUR OPERATION?



W-W GRINDER and SOIL SHREDDER SAVE TIME AND MONEY

If you want to *grind* tough clods into potting soil or top dressing... *shred* or grind stalks, leaves, cuttings or tough organic matter for composting or mulch... or *screen and mix* soil, compost, or other fertilizer, *let one machine do it all*. A W-W Grinder and Soil Shredder will do just that, and separate trash from wanted material in the process. Designed with the versatility necessary for the profit-minded nurseryman and with the simplicity of operation required for the hobbyist, it is America's favorite.

GRINDS : SHREDS PULVERIZES : MIXES

Without Additional Attachments

MODEL 4-EV WITH DETACHABLE ELEVATOR

Grinder and elevator detach so each can be used separately. \$752.40, complete with two engines, FOB Wichita.



PORTABLE MODEL 2-XB

Gas or electric powered. \$124.50, less motor, belt guard; \$178 complete with 2-hp Briggs & Stratton engine. FOB Wichita.

Available in five models. Convenient terms usually can be arranged. Write for literature and name of dealer.

W-W GRINDER CORP.
DEPARTMENT F WICHITA, KANSAS

if we apply all of our efforts toward conversion of the entire nursery into an attractive showroom and store for ornamental plants. We have miles of slag roads. Every variety of plant is visibly labeled for the motorist. Constant invitations to 'drive through our 128 acres,' and to 'stop at the Green Barn if service is desired,' are made.

"Top-grade design, planning and planting service remain our prime interest and our major volume. During December, however, we go all out on the Christmas cottage and keep the entire organization occupied for another month."

Ahead in New Jersey

William P. Howe, Jr., Howe Nurseries, Pennington, N. J., notes a 15 per cent gain for four fall months, writing on his firm's business for the season:

"Business at our four plant markets was off substantially during July and August, due, we believe, to drought in July and excessive rains in August. However, September and October were good, and our sales for the four months combined are about 15 per cent ahead of last year's.

"We find that small inexpensive sizes of yews, ilex, pieris, pyracantha and other good types of plants have moved extra well. The demand for shade trees seems to be on the increase, especially for honey locust. Crimson King maple also moves readily. Bulbs are cleaning up well this year.

"The ratio of our business for the first six months, as compared to the second six months, is about 60 per cent for the first period and 40 per cent for the second half."

Advertising Effort Needed

Richard M. Wyman, Jr., Wyman's Garden Center & Nurseries, Framingham, Mass., sees competitive products drawing more than their share of consumers' dollars in the fall. He writes:

"Normally we do 40 to 45 per cent of our total volume in the last six months of the year. Since December now is a busy month, it helps to increase the percentage of volume of the fall business.

"We will wind up the year with somewhere between 12 and 15 per cent increase over last year. However, most of this increase was accomplished in the spring, as the fall has been only a little better than last year.

"Since business in general is very good at department stores and other retail outlets, one is led to think that

Dutch and Domestic BURLAP

Established 1925

Importers—Manufacturers

Distributors of Bird Pests and Lerio Nursericans

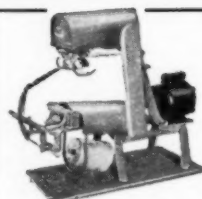
New York Representative:

Harry Ramp
400 Woodfield Rd.
West Hempstead, N. Y.
Phone: Ivanhoe 3-6153

New Jersey Representative:

A. H. Gutbrod
P. O. Box 96
Irvington, N. J.
Phone: Essex 5-6585

J. SHORE & CO.
CHELSEA, MASS.



FELINS BUNCH TYER

Automatically adjusts itself and ties any size bunch up to 19 ins. in circumference. Ties roses, glads, seedlings, as well as any other type nursery stock and cut flowers. Fast and efficient. Tying mechanism inverted so that dirt will not get into it, contributing to longer life.

FELINS TYING MACHINE CO.
3351 N. 35th St.
Milwaukee 16, Wis.



TWO PROFITABLE BOOKS FOR NURSERYMEN

HORSE-SENSE HORTICULTURE

Retails for \$1.50

YOU CAN LANDSCAPE YOUR OWN HOME — Retails for \$1.00

Special Introductory Offer—
1 of each \$1.50 postpaid.

Descriptive Circulars Free.

THE MINNETONKA PUBLISHING CO.,
400 Watertown Rd. LONG LAKE, MINN.

IT COSTS NO MORE

(and in most instances less)

FOR OUR PACKING OF

Nursery Burlap Squares and Rolls

Write for prices and samples

L. ATKIN'S SONS

P. O. Box 167 Rochester, N. Y.

HOW TO BUILD GARDEN STRUCTURES

By Henry B. Aul.

Grills, fireplaces, outdoor kitchens, lounges, storage walls, garden walks, pools, terraces, benches, arbors, fences and fountains. 200 designs and plans. 384 p. (1950). Price, \$3.50, postpaid.

AMERICAN NURSERYMAN
343 S. Dearborn St. Chicago 4, Ill.

BUY UNION PLASTIC POTS FOR QUALITY...FOR DEPENDABILITY



Since 1946, Union has developed a line of plastic flower pots, tubs and pans for growers. Over the years, more and more growers tried Union pots in their own operations and were convinced that plastic pots by Union were just what they needed.

Today, Union offers the most complete range of sizes and styles of plastic pots available to the trade. When you need plastic pots, order them from Union! You can rely on Union pots to do the job.

1 1/4 to 8 inch Pots
3 and 4 inch Tubs
2 3/4 to 10 inch Saucers

5 and 6 inch Azalea Pots
6 to 10 inch Bulb Pans
Planters, Trellises, Accessories

WRITE TODAY FOR FREE CATALOG AND PRICES

UNION PRODUCTS INC., Leominster, Mass.

we in the nursery business are not pushing hard enough to maintain our share of the consumer's dollar. People seem to be interested, particularly in the fall, in spending their money on other things, such as automobiles, appliances and any other heavily advertised and publicized consumer items.

"In talking to others in this area, I find that their business is about the same as ours, which, broken down by seasons, means a good spring, a poor summer and a fair fall season. Averaged out, this is a good year, but there is plenty of room for improvement."

Little Fall Change in Kentucky

With fall supplying 40 per cent of the annual trade, the Hillenmeyer Nurseries, Lexington, Ky., continue to promote that season, states Walter W. Hillenmeyer, Jr. He adds:

"We have experienced a good fall season, with much more moisture in the ground, than we had for several previous years. This has reduced digging costs. Our fall volume, through October 30, is 1 per cent ahead of last year's. Our spring business was up also, and for the 10 months of 1955 as against the same period of 1954 we show about a 4 1/2 per cent increase in volume.

"We always try to promote our fall business, because there is the natural urge in the spring, and we usually run at top speed then; so fall is the season to increase. Our fall business is about 40 per cent of our annual volume.

"Garden center sales are up slightly, although September was down a bit. We attributed this to the fact that this year we did not have our Holland bulbs in, whereas we did last year. This year they were late in arriving, because of the dock strike at New York. We feel that we would have had a larger increase, but we are closing the garden center on Sundays this year, whereas we were open in former years."

Ohio Sales Records

The Siebenthaler Co., Dayton, O., sees two fall months and two spring months as profitable, reports George Siebenthaler, giving other garden store data as follows:

"Our volume of garden store sales for 1955 to date (November 23) is up 13.1 per cent over the corresponding period for 1954. The sales per month are divided as follows: January, 1 per cent; February, 1 per cent; March, 11 per cent; April, 20 per cent; May, 18 per cent; June, 8

Make Money Every Time You Make This Simple Test

The Sudbury Soil Test Kit saves you from using wrong fertilizers by showing correct amounts of nitrogen, phosphorus and potash your soils need. Also shows pH. You get bigger yield, more fancies—more profits with less expense.

No One Need Show You How

Easy as reading a thermometer! Nothing to know; nothing to learn. Make tests anytime, anywhere—even while plants are growing in benches or fields—at only 10c per test. No waiting for reports.

SEND NO MONEY!

Let It Pay for Itself

Order today—pay postman only \$4.95 plus postage on arrival, then send 4 monthly payments of \$6.75 each.

If you want to pay cash, we'll mail C.O.D. for only \$29.95 plus postage; or send check with order and we'll mail postpaid.

Money-Back Guarantee
SUDBURY LABORATORY
Box 238
South Sudbury, Mass.



Dealers: Write for Special Offer!

PLANTEX

Prevent Winter Burn
Use on Christmas wreaths, etc.
Soil fumigants—Seedbed Treatments
Weed Killers—Larvatox
For Service:

EASTERN CHEMICAL CO.
HOLLISTON, MASS.

Contact . . .
ROUGH BROS. for
"on the spot Greenhouse
Service"

MEND-O-LASTIC

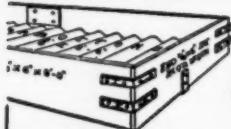


The modern putty in the form of "Tape and Rope."
 Actual size—
 12 1/2 ft. to a roll,
 \$1.25

GREENHOUSE WHITE PAINT



Per gal. (5 or more) . . . \$ 4.05
 1-gal. cans 5.20
 5-gal. cans 24.25



ASBESTOS BENCHES

DURABLE — LONG LIFE — ELIMINATES FUNGUS GROWTH — WILL NOT CRACK WHEN STERILIZING.

Let us give you a quotation.

Greenhouses
BUILT TO FIT
YOUR NEEDS

Write—wire or phone
 for complete information on Rough Bros.
 Greenhouses.

ANY STYLE—ANY SIZE



STEAM-FLO Soil Sterilizer

MANUFACTURED
 EXCLUSIVELY
 BY

ROUGH BROS.

GREENHOUSE MANUFACTURERS & BUILDERS
 4237 Spring Grove Ave., Cincinnati 23, Ohio
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FILL OUT COUPON

- Send me quotation on Benches
 Send me information on Greenhouses
 Send me information on Steam-Flo

Name.....

Address.....

City.....State.....

per cent; July, 4 per cent; August, 4 per cent; September, 7 per cent; October, 11 per cent; November, 6 per cent, and December, 9 per cent.

"We make our profit for the year in April, May, September and October. We just about break even in March, June and December. We show a slight operating deficit in January, February, July, August and November.

"It is obvious from the foregoing figures that one of our problems of operation is to increase our volume and decrease our overhead during the off-season months. While our profit for the year is satisfactory, we should like to improve it, and one difficulty seems to be the seasonal aspect of our business.

"Our store is not located on a highly traveled highway; so we are not able to cater to the transient trade that many stores are able to attract. Stores that have that situation are better able to build up their gift item sales in the off months.

"The days of the week in order of the best sales are as follows: Saturday, Sunday, Friday, Wednesday, Monday, Tuesday, Thursday.

"I believe, in general, that most of the stores in this area have shown some increase in business this year. Several of the smaller stores have complained that business is not so good as last year, but I believe this may be attributed to their merchandising principles and the trade's being attracted to the larger stores where there is a better selection of merchandise."

Iowa Trends

Fall sales made up one third of the annual business at the garden center of Platt's, Waterloo, Ia., states A. Dean Platt, whose review of the fall activity follows:

"Retail seed sales declined this fall from a year ago. In our area we experienced an extremely dry summer, with only a moderate amount of moisture this past fall, which undoubtedly discouraged customers.

"Normally the fall is an excellent time to move quantities of hardy chrysanthemums, but this year the mums were extremely late in coming into bloom, with most varieties running from two to three weeks behind schedule. This, coupled with the fact that there were no early frosts to kill the annual flowers, cut, I believe, our chrysanthemum sales to one fifth of our usual volume.

"Tulip bulb sales were, I believe, about normal, with considerable more emphasis on the double varieties, which we highly recommend for

Cloverset Pots

help build

cash - and - carry

sales

Write
 for
 prices



CLOVERSET FARM

105th and Wornall Rd.
 KANSAS CITY 14, MO.

DARLING'S

"Rite in the Rain"

WATERPROOF TREE AND PLANT LABELS

"Rite in the Rain" labels are not just another paper label. They are made of tough tagboard and chemically treated to make them waterproof. Ordinary pencil markings do not wash off. These are longer lasting yet low-cost labels. Millions are used every year by nurserymen.

Write for samples and prices.

J. L. DARLING COMPANY
 BROWN'S POINT, TACOMA, WASH.

Top-Quality

Dutch and Domestic

BURLAP SQUARES TWINES

Jute—Sisal—Binder Twine

Write for our low prices and samples.

HALPERN BROS.

272 S. 2nd St., PHILADELPHIA 6, PA.

BURLAP SHEETS AND SQUARES

cut and sewn to your specifications. Quotations and samples on request.

STERLING BAG & BURLAP CO.

41 Carolina St. BUFFALO 1, N. Y.
 Phone: CL 2339

PERFECT CONTAINERS FOR NURSERY STOCK

*Keiding*PLANTPOTS, ROSE POTS
AND "KARRY HOME" PLANT TRAYS

Strikingly attractive these handy containers not only sell plants faster but save time and stock at the nursery. When transplanting, for instance, you just leave the plant in the container and place entire unit in the earth. Container eventually disintegrates. No root exposure or damage. No "transplant shock." Plants awaiting sale flourish naturally because the "breather type" container walls permit air and moisture to reach the roots, aiding healthy, abundant plant growth. Plantpots made in 4 sizes 8 x 8, 10 x 10, 12 x 11, 14 x 13. Rose pots 7 x 9, "Karry Home" plant trays 8 x 6 x 2½. Complete data and prices on request. Write...

KEIDING PAPER PRODUCTS CO.

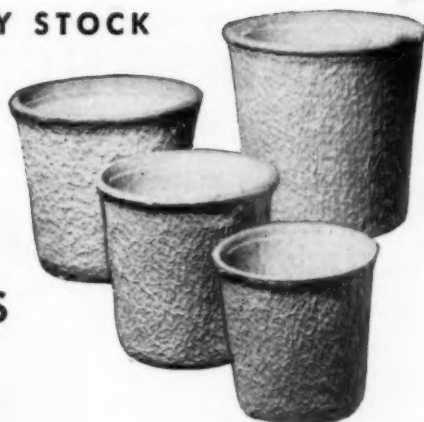
3048 N. 34TH STREET • MILWAUKEE 10, WISCONSIN

NEW!



ROSE POT

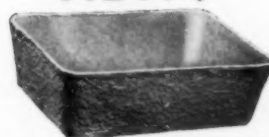
Designed especially for roses, this new rose pot is extra deep, ideal in size and pleasingly proportioned. Sturdily made from genuine Keiding "breather-type" pulp fiber.



PLANTPOTS

For "spring to fall" growing and selling. Insure better root growth and livelier and more saleable plants, trees and shrubs.

NEW!



"KARRY HOME" PLANT TRAY

Now... colorful display for every plant! These eye-appealing trays are made in rich green or brown, from genuine Keiding "breather-type" pulp fiber. Tray size 8" x 6" x 2½" provides 4 square inches per plant for 12 plants, insuring healthy growth. Holes in side and bottom provide proper drainage. Low in price, light weight, compact and easy to nest and store.

border plantings as well as planting among evergreens in groups. This may be a local situation, but I believe it is an indication that the public is interested in new and different types of spring flowers and bulbs.

"In regard to the volume of business done through the garden shop in the fall, I should judge that the business during September, October and November would be approximately one-third that of spring volume. However, in our garden shop we take advantage of the Christmas season to sell trees, boughs and other decorations, so that December for us is about the heaviest month of our year. However, it should be kept in mind that we do not sell all types of nursery stock through the shop and that only small plants and wrapped materials are handled through this outlet. The larger materials go through the adjoining salesyard at the nursery."

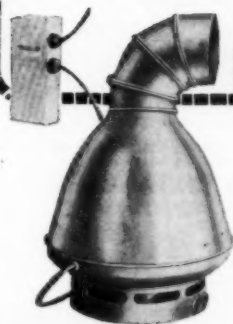
California Program

James H. Wilson, Peters & Wilson Nursery, Millbrae, Calif., stresses the need for even year-round sales in the following report:

"To compare spring and fall trade we selected the months of April, May and June for the spring period

LOW-COST AUTOMATIC HUMIDIFICATION

for any size greenhouse
with dependable
STANDARD Humidifiers



Model 31 Humidifier

Model 31 Humidifier, illustrated, is for medium sized greenhouses.

Whether your greenhouse is large or small, there is a "STANDARD" Humidifier to provide accurate, automatic humidification 24 hours a day. And at lowest possible cost! Engineered for long, trouble-free service and easy installation. Priced surprisingly low.

WRITE NOW FOR DESCRIPTIVE BULLETINS. Please state dimensions of your house.

STANDARD ENGINEERING WORKS

PAWTUCKET, R. I.

Aluminum Plant Tags

ALLEN TAGS

Write for sample and prices.

ALLEN WEATHERPROOF TAG CO.
Box 481 SPRINGFIELD, O.CHRISTMAS TREE PLANTER
ONLY \$245

Fits hydraulic lift tractors. Use on seedlings to large transplants. Write:

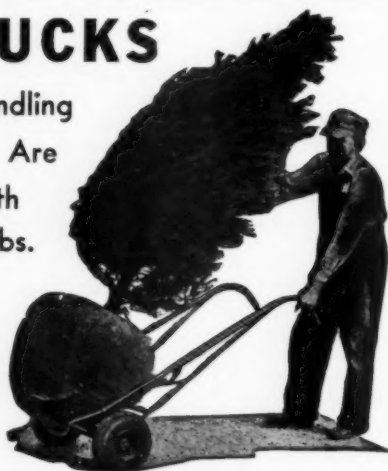
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ST. PETERSBURG, PA.

HAND TRUCKS

Especially built for handling
B&B nursery material. Are
built in three sizes, with
capacity up to 1500 lbs.

Illustrated is our small
model truck. One man
can easily handle 600-lb.
ball.



Write for folder giving details and prices.

THE GARDEN SHOP, Inc.

6315 West 75th St.

Overland Park, Kansas

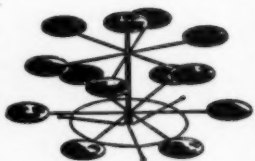
Phone HEdrick 3288 (Kansas City, Mo., exchange)

SEND FOR YOUR NEW
FULLY ILLUSTRATED CATALOG

IT'S NEW

TABLE
MODEL
TREE STAND

6-POT SIZE
\$3.00 each
12-POT SIZE
\$5.00 each
18-POT SIZE
\$8.25 each



ORDERS DELIVERED FREE TO DESTINATION AS
FOLLOWS:

CALIFORNIA—All orders \$25.00 and over.
ARIZONA - NEVADA - OREGON—Orders \$35.00 and
over.

ALL OTHER STATES WEST OF MISS.—Orders \$50
and over.
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CONTAINS HUNDREDS OF ITEMS
THAT MAKE MONEY FOR YOU!

Wire and Redwood baskets; Redwood tubs;
Wire and fernwood totem poles;
Plant supports;
Wrought-iron brackets and fern stands;
Plastic and lead flower pin frogs;
Can cutters;
Green moss in bales and bags;
Black Magic; Plant ties and twine;
Plastic pots and trellis;
Copper, brass and plastic planters;
Wire plant markers and plastic plates;
Other nursery supplies.

CATALOG IS FREE—SEND TODAY

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No. 23 S. GRAFTING KNIFE.
Stationary blade.



No. 8 S. PRUNING KNIFE.
Stationary blade, walnut handle,
over-all length 7 3/4 ins.

Request our illustrated list.

EXCELSIOR

377 Coolidge Ave. FORT LEE, N. J.

FERTO-POTS

MILLIONS USED
PLANT EATS POT
Per ton C.L.

FERTO-GERM, Compost, Manure.....\$ 48.00
MULCHNUR, 3-6-3 All Organic..... 60.00
BONE MEAL RAW INT..... 60.00
GARBAGE TANKAGE, 3 1/2 per cent Am..... 18.00
SE-BO-PHOS, 20 per cent T.P. Acid..... 18.00
FEATHER TANKAGE, 17 per cent Am..... 130.00

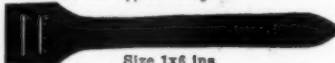
Write for Price List, Small Quantities.

ALLEN CO., PITTSBOWN 3, N. J.

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"Weather Resistant"

- Made of Water-resistant Tough Tag Board
- All White, Easily Marked
- 8 Colors
- 9 Sizes and Styles
- Sheets for Typewriting



Size 1x6 ins.

Prices per 1000—White Tag Stock
1000 to 4000....\$1.50 20,000....\$1.05
5000 to 9000.... 1.30 50,000.... .85
10,000 1.15 100,000.... .80

Write Today for Prices and Samples
PREMIER SOUTHERN TICKET CO., INC.
1621 Dana Ave. CINCINNATI 7, O.

GREENHOUSE AND NURSERY SUPPLIES

AMERICAN FLORIST SUPPLY CO.

1335 W. Randolph St.

CHICAGO 7, ILL.

and August, September and October for fall. In the current year, fall business amounted to 51 per cent of spring sales; in 1954, 74 per cent; in 1953, 59 per cent, and in 1952, 61 per cent. This year we had just moved our nursery; so many customers did not know where to find us and we were upset with building going on.

"We feel that the possibility of a reasonable net profit for the retail nurserymen lies in an even distribution of business over the whole year. To that end we have carried on a continuous program of advertising throughout the year. The slogan here is, 'Planting time is all the time in California,' and to make the customers realize the truth of this statement we have plenty of plant material available at all times. The necessary capital investment in a retail nursery today, the fixed overhead and the wages for a permanent force of trained persons make it imperative that each month's business carry its share of the financial load.

"If the public can be educated to the fact that plants will grow and thrive whatever month of the year they are planted, provided they are given reasonable care, we are sure that our business can be increased during the traditionally slow months.

"A trend that we have noticed, too, is the increase in the percentage of store merchandise sold today compared to previous years, especially before 1950. The alert nurseryman has a big opportunity in this field, as he often is the first person to contact a new homeowner in regard to his gardening needs. This can be wonderful repeat business that keeps the customer coming back year after year when his demand for plant material is limited to a few replacements of overgrown shrubs or to detail plants with a short life span. A good selection of store merchandise is probably one of the best traffic builders a nurseryman can have outside, of course, a good selection of top-quality nursery stock."

Southern California Gains

Bert T. Kallman, Kallman's Garden Nursery, Santa Barbara, Calif., reports:

"Here in southern California we figure October, November and December as our fall months. At our establishment, October this year was about 10 per cent above last year for the same month, and it was also about 20 per cent above September of this year. It is hard to say why October of this year was so much

HERE IS WHY NURSERYMEN PREFER MENNEPOTS



Superior Strength Stapled Bottom

Sturdily constructed, the MENNEPOT withstands hard handling.

Light Weight

Comes completely assembled . . . Potting can start immediately upon arrival.

Drainage

The MENNEPOT is economical to use. Light weight makes shipping costs less. The side-drainage feature makes waterlogging impossible while standing in salesyard.

Size 0 Top ... 4 ins. Bottom 3 1/2 ins. High ... 4 ins. Weight per 100 Regular 10 lbs., Heavy 25 Regular Weight Price 100...\$2.75 1000...\$25.00 Heavy Weight Price 100...\$3.75 1000...\$35.00	Size 1 Top ... 6 ins. Bottom ... 5 ins. High ... 6 ins. Weight per 100 Regular 15 lbs., Heavy 35 Regular Weight Price 100...\$4.00 1000...\$37.50 Heavy Weight Price 100...\$5.25 1000...\$50.00	Size 2 Top ... 7 ins. Bottom 5 1/2 ins. High ... 9 ins. Weight per 100 Regular 24 lbs., Heavy 55 Regular Weight Price 100...\$4.50 1000...\$42.50 Heavy Weight Price 100...\$5.75 1000...\$55.00	Size 3 Top ... 8 1/2 ins. Bottom 6 1/2 ins. High ... 9 ins. Weight per 100 Regular 30 lbs., Heavy 70 Regular Weight Price 100...\$5.00 1000...\$47.50 Heavy Weight Price 100...\$6.25 1000...\$60.00
Size *4 Top ... 10 ins. Bottom ... 8 ins. High ... 10 ins. Weight per 100-120 lbs. 100...\$11.00 500...\$52.50 1000...\$100.00 *Heavy Only For trees and shrubs.	Size *5 Top ... 12 ins. Bottom ... 10 ins. High ... 12 ins. L.G. POT Weight per 100-250 lbs. 20...\$30.00 ea. 100...\$27.50 500...\$125 1000...\$225 *Special for extra-heavy trees and large shrubs.	Size Pan Top ... 8 1/2 ins. Bottom 7 1/2 ins. High ... 6 ins. PAN Weight per 100 Regular 30 lbs., Heavy 70 Regular Weight Price 100...\$5.00 1000...\$47.50 Heavy Weight Price 100...\$6.25 1000...\$60.00	500 of a size takes 1000 rate in sizes 0-1-2-3- Pan. Regular-weight pots packed 100 and 200 per carton in sizes 1-2-3-Pan. Size 0, 250 only. Heavy pots are packed 250 per carton in size 0; 100 per car- ton in size 1; 60 per carton in sizes 2, 3, Pan and 4, and 20 per carton in size 5. NO BROKEN CARTONS.

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OHIO	Skell Distributing Co., 560 E. 99th St., Cleveland, O. I. G. Harmon & Son, 1800 19th St., Canton 4, O.
PENNSYLVANIA	E. C. Geiger, North Wales, Pa. Verscharen's Garden Centers, Rt. 51, Brentwood, Pittsburgh, Pa. Rt. 88, S. Park, Pittsburgh, Pa.
NEW JERSEY	New Jersey Farm Supply, 440 Market St., East Paterson, N. J. Somerset Rose Nursery, Inc., New Brunswick, N. J.
MICHIGAN	William Bell, 4002 Montgomery Ave., Detroit, Mich. Farmington Gardens Nursery, Farmington, Mich. Growers Exchange, Inc., P. O. Box 297, Farmington, Mich. Strickland Seed Store, 1429 Gratiot Ave., Detroit, Mich.
RHODE ISLAND	American-Dutch Trading Co., Inc., P. O. Box 177, Cranston 10, R. I.
CANADA	The Sheridan Nurseries, Ltd., Sheridan, Ontario, Canada.

MENNO S. MENNES NURSERIES NORTH TONAWANDA, N. Y. Phone LUDlow 4444

Prices Vary Slightly in Areas Served by Distributors
DISTRIBUTORSHIPS OPEN IN SOUTHERN STATES

more than the month before; however, one reason is that vacations are over, schools have started and people are back to gardening. Also, some large orders swell the total.

"As a rule, our fall business is very good, since we carry a complete line of garden accessories, and, as Christmas approaches, we stress gift plants, wreaths, Christmas trees and everything that makes a good gift for gardening-minded people.

"Another factor in southern California is that there are still many new homes being built, as many people are moving here from the east to live. At Santa Barbara, where the climate is good the year around, it is planting time all the time.

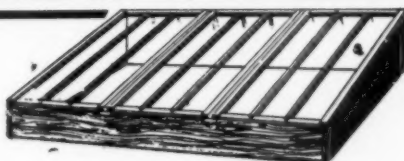
"The over-all picture of our business is very good, with the volume getting larger every year. One just has to work a little harder and keep a sharper eye on everything."

Central California Report

Eugene R. Armstrong, president, Capital Nursery Co., Sacramento, Calif., gives autumn business prominence, writing:

"Autumn business is extremely important in all nurseries throughout the Pacific coast area. It is particularly important here in the Sacramento valley, where the fall plant-

ELECTRIC HOTBEDS



These Redicut Hotbeds are made of No. 1 Pecky Cypress full 1 in. thick. The back is 18 ins. high; the front is 12 ins. high; the ends slope (see drawing above). Easy to install. The sash will slide down or up for ventilation.

Made in the following sizes:

	Complete with Glazed Sash and Rafters	Add for Automatic Electric Heating Unit
3 x 4 feet.....	\$15.00	\$17.50
6 x 4 feet.....	25.00	28.25
9 x 4 feet.....	36.00	38.75
12 x 4 feet.....	44.00	46.75
15 x 4 feet.....	55.50	58.25
6 x 6 feet.....	35.10	37.75
9 x 6 feet.....	47.90	49.75
12 x 6 feet.....	60.45	62.46
15 x 6 feet.....	75.25	77.82
18 x 6 feet.....	87.80	89.82

Now you can grow plants all winter and root cuttings fast for a few cents a day with thermostatically controlled, invigorating, uniform heat so necessary for optimum growth. Lead-covered cable and automatic thermostat by General Electric. Satisfaction guaranteed. Heating units can be purchased separate for your present hotbeds. You will be amazed with results. Catalog No. 155 gives detail information.

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Send for samples and prices of "NO-ROT" Green Burlap. Write today to:
NEW YORKER BAG & BURLAP CO.
651 Marshall St., Elizabeth, N. J.

Ideal Garden Gadgets...
Sell them in '55
Enjoy added profits.
Send for folder today.
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Nursery—men and women!

TO THE NORTH—TO THE SOUTH—TO THE EAST and to THE WEST

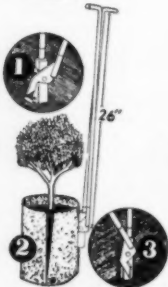


To express our joy in having served you all during these last nine years, we wish you one and all—

A Merry Christmas!

from *Ayer-Line Industries*
and two of our factory "children,"

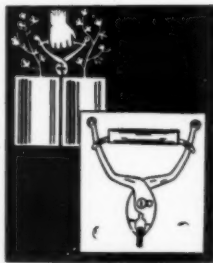
Namely, the Redhead Can Shear and the Handy-man Gripzit



Over 12,000 Redheads
and 6100 Gripzits have
left our factory at

**709 JONES ST.
BERKELEY 10, CALIF.**

during these years, each
one carrying this greeting:
HAPPY (WORK) DAYS!



Meaning, MANY HAPPY NEW YEARS!

THE GREATEST BOON TO GROWERS IN 100 YEARS — AMAZING NEW **VITALOAM** ORGANIC DOUBLE CULTURED SOIL REJUVENATOR

— TRADE-MARK —

FOR EVERYTHING THAT GROWS IN THE EARTH . . . ANYWHERE

REMEMBER—VITALOAM is BLACK and VELVET SOFT and ORGANIC. COMPLETELY CHANGES TEXTURE, PHYSICAL QUALITY and APPEARANCE of soil, yet cannot BURN OR HARM the TENDEREST PLANT OR SEED. Applied only ONCE a YEAR and NO fertilizer, peat, or FILTHY MANURE necessary. Already approved and in use BY HUNDREDS of leading greenhouses and nurseries throughout America. If your jobber cannot supply you, we will ship DIRECT. HERE ARE LOWEST WHOLESALE PRICES.

In 80-lb. Polyethylene-Lined Printed Burlap Bags	
2 to 3 bags	\$6.00 ea.
4 to 9 bags	5.40 ea.
10 to 39 bags	5.20 ea.
40 or more bags	5.00 ea.

NOTICE—We have openings for Jobbers in several states. If interested, address ALBERT D. PIFER, 133 Wilson, Lancaster, Ohio.

SHIPMENTS OF 5,000 or more lbs. earn greatly reduced freight rates. IF CHECK IS SENT WITH ORDER, YOU MAY DEDUCT EIGHTY CENTS PER BAG AS FREIGHT ALLOWANCE.

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LANCASTER, OHIO or **MARIA STEIN, OHIO**

Amazing Advance in Misting Nozzles

The HUMIDOMIST SYSTEM for intermittent misting now includes our new twin discharge Type T-16 nozzle which cuts nozzle costs in half. A slit in each end of a brass tee discharges flat sprays, 16 to 20 qts. per hour each, total coverage about 2x16 ft. of bench area. Cost of nozzles about 28c per lineal ft. of bench. Price \$2 ea.



Mississippi River). Circulars on request. Send sketch of your greenhouse, benches and water pressure available for suggested plan of installation and equipment required.

SUPREME ELECTRIC PRODUCTS CO.

194 Vassar St., ROCHESTER 7, N. Y.



LIFETIME PLASTIC MARKERS

PERFECT—PERMANENT

A STYLE FOR EVERY GARDEN NEED

IN BULK OR POLYETHYLENE PACKED FOR EASY SALE
LIFETIME PLASTIC MARKERS 10342 LANARK, DEPT. 7A, DETROIT 24, MICH.
IN CANADA—C. A. CRUICKSHANK, TORONTO 12, ONTARIO

ing season is somewhat limited as compared with the more coastal and southern areas not subjected to late fall temperature decreases.

"With the Capital Nursery Co., October always ranks high in retail sales volume, comparing favorably with June and normally averaging out over the entire year in fifth or sixth place. February, March, April and May are ranked as the top four months of the sales year. Over the past three years, October volume has held steady, 1955 showing a slight increase over the same month last year. September is in ninth position and November in 11th.

"One marked change in sales promotion occurred with us in 1955. In previous years, we always featured seasonable plant materials and garden supplies during our own Capital fall garden festival. This year, however, certain members of the Superior chapter of the California Association of Nurserymen sponsored a group sales promotional plan entitled October garden days. This event ran from October 1 through October 19. Some 24 nurseries in the Sacramento area participated. In view of this more extensive effort, the Capital Nursery Co. dropped its own fall festival. Response to the October garden days was most gratifying."

Cold Nips Good Fall Start

At Reed's Garden Center, Eugene, Ore., a higher fall trade was recorded up to November 10, when the area was hit by sudden and severe freezing weather. Reed Vollstedt, Reed's Garden Center, describes the period as follows:

"The majority of our year's business is done in the spring, but our autumn business this year has been considerably higher than in previous years. This was due primarily to desirable planting weather during October and early November. Bulb sales have been above previous year's, and shrub sales considerably above.

"Up until November 10, business in this area was generally above normal for the fall. Since November 10 we have had the coldest November in the history of the Willamette valley and the Pacific northwest, the mercury dipping to 10 degrees below zero in most areas. The cold weather came without warning, and prior to it we had not had a frost to harden off plants. Most stock was still growing, and therefor many plants have been damaged or made unsalable, particularly azaleas, camellias, rhododendrons and other similar stock.

"Prospects for the winter and early spring season do not look too good.

Many people will be scared out of planting now and will wait until spring. The supply of certain varieties of nursery stock in salable condition will probably be short for the next year.

"The demand next spring and for the next year should be good, because of the many new subdivisions where homes are going up every day."

Fall Second-Best at Tacoma

Sales at Tacoma, Wash., this fall were about the same as last year's, according to L. H. McGuire, Puget Sound Nursery & Gift Shop, who states:

"We changed our name to read 'gift shop' instead of 'garden shop' recently. We carry a small line of insecticides, bulbs, seeds and general garden supplies, but do not sell mowers and heavier lines. Therefore, our business is much stronger in the fall, due to Christmas buying in ceramics, cards and indoor planters.

"Spring sales are much stronger than fall sales, both in machinery and plant material, in the local garden shops. The weather last spring was poor at the beginning, and sales suffered accordingly, but by early summer the sales had come up to normal expectations, which seems to check with the general trend.

"The trend here is for the spring to produce much greater sales in proportion to fall trade, especially at the nursery stand, where there is more impulse buying. In contrast to this, larger nurseries such as ours do a bigger business in landscaping, which gives us greater fall sales.

"On the whole, the past year's business was equal to or a little better than the previous year's."

LARGER quarters were recently built for the Crystal Springs Garden Shop, 265 El Camino Real, San Bruno, Calif.

B. R. STITZ, 1008 Reek road, Allen Park, Mich., recently started a wholesale nursery business. On two acres of land he will grow shrubs, trees and evergreens.

THEDDEUS L. HEREK, 1212 26th street, Bay City, Mich., is starting a wholesale and retail nursery business which will be called Herek's Nursery & Landscape Gardening. On five acres of land, Mr. Herek now has a small greenhouse and will start building a larger one next spring. Mr. Herek was associated with Bay City Nursery since 1924, being general manager for the past 10 years.



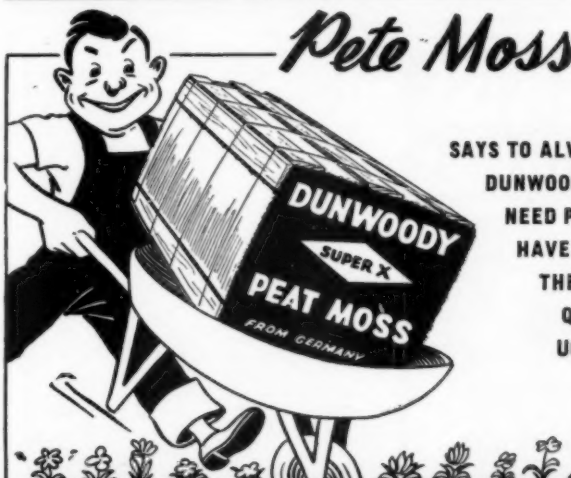
NURSERYMEN OF DISTINCTION KNOW . . .

A timely suggestion when they need one. That's why more and more nurseries are buying . . . using . . . and selling high-quality REX PEAT MOSS. Easy to use, easy to sell, REX is sized for your every need.

WRITE TODAY FOR PRICES

TRANS SPHERE
TRADING CORPORATION

PO BOX 1544 MOBILE ALABAMA



**SAYS TO ALWAYS CONTACT
DUNWOODY WHEN YOU
NEED PEAT MOSS. WE
HAVE BEEN SERVING
THE TRADE WITH
QUALITY PRO-
DUCTS FOR OVER
100 YEARS**

EZL. DUNWOODY CO. 1909 MARKET STREET
PHILADELPHIA 3, PA.

**Twine and
Cordage**

For All Nursery Requirements

GEO. B. CARPENTER & CO

SINCE 1840

401 N. Ogden Avenue, Chicago 22, Ill.

GOODRICH— BUDDING STRIPS

Do not get "caught short." Budding time is here. Order now and make sure your Budding Strips are on hand when you need them.

Also headquarters for A. A. West-coast and X. X. Superior Raffia. Can make immediate shipment.

THOMAS MEEHAN & SONS

462 W. Germantown Pike
PLYMOUTH MEETING, PA.

English Type RAIL and HURDLE FENCE



2, 3, 4 or 5 Rail.
Can be painted or allowed
to age naturally without cost
for upkeep. SCREEN TYPE
PICKET FENCE shown in
alternate issue.

PROFITS For Nurserymen! YOU SELL FENCE We Carry Inventory

ALL TYPES—From large Estates to
Small Homesites.
FOR LONG LIFE—Entire Fence—
(both posts and rails) treated with
nationally known—
PENTA PRESERVATIVE

WOOD PRODUCTS CO., Toledo, Ohio

ARROW/NAMSCO PEATS = SALES REPEATS



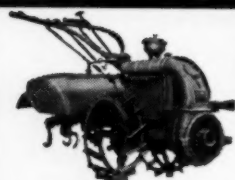
Prompt Shipments
"HOLLANDIA" BURLAP

SQUARES REED MATS

for Coldframes
Write for Prices
State Requirements

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The Original SWISS ROTARY TILLERS



REPAIR
PARTS
AVAILABLE
FOR
ALL OLD
MODELS

Best for
37 Years

Mfd. by **SIMAR** since 1918
Write for details of new models.
E. C. GEIGER CO.
P. O. Box 270
NORTH WALES, PENNSYLVANIA
U. S. A. Distributor

WOOD LABELS

For Nurserymen

**DAYTON FRUIT TREE
LABEL CO.**

Ray and Kiser Sts.
DAYTON, O.

MAKE BIG MONEY AS A LANDSCAPE NURSERYMAN

Make \$20 to \$60 a day. Millions of new
and old homes, estates, etc. need modern
landscaping. Easy-to-
follow Home Study
Course trains you to
handle all types of
Landscape Contracting.
Earn while learning.
Hundreds of successful
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Dept. N-125A

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FREE Book.

Florist & Nursery

SIGNS

For literature and prices,
write **GROWERS
SIGNS**, Tallmadge, O.

Hawaiian FERNWOOD **Totem Poles**
FLORIST & NURSERY SUPPLIES
FERN HAWAII COMPANY, Inc.
P.O. Box 216 111 West 'C' St.
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LILACS FOR AMERICA, by Lilac Survey
Committee. 30 species, 800 varieties. 48 p. \$1.00
postpaid.
American Nurseryman Chicago 4, Ill.

NOTES FROM A NURSERYMAN'S WIFE

On certain Indian summer days a sudden yearning for the family to hop into the car and head for the Arkansas Ozarks is likely to overtake me. We have taken a weekend off a couple of times and come home refreshed and renewed by the "rocks and rills, woods and templed hills" of that peaceful and serene land.

Duties kept us at home this time, but the thought of sweet gums and oaks and particularly of one beautiful, symmetrical holly tree that grows in a yard in the town of Ozark persisted. Holly suggested Christmas, and holly and Christmas together sent me to scrapbooks to read up on other trees that we associate with the season.

* * *

Nearly all of the "origin" articles credit St. Boniface with substituting an evergreen for the sacred oak of the Druids. Another legend has it that the boughs of the tree of life withered and its leaves shrank after Eve ate of its fruit, but that once a year, on Christmas eve, it again bursts into bloom. To commemorate this, prewar Nordlingen, Germany, used to pot cherry trees months before Christmas so that on December 25 they would reach the ceiling and stand in full bloom. Families competed for the best tree.

* * *

Martin Luther is credited with popularizing the decorated indoor tree in Germany, and Hessian soldiers are supposed to have introduced the idea into this country. But however and whenever the idea may have originated, the Christmas tree has become so thoroughly a part of the American Christmas that it is difficult to believe that the first printed record of one in this country was of a spruce that was trimmed by a German immigrant in Ohio—the date, 1847.

* * *

The use of the Christmas tree must have been pretty well established by the middle 1800's, for there are many accounts of ingenious substitutes for evergreens on the treeless plains in the early days. Wichita, Kan., first celebrated Christmas as a community in 1870 with a cottonwood tree. Another cottonwood we read of, somewhere in western Kan-

WIFE

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sas, had boughs of cedar from front-yard trees tied to it and was garlanded with strings of cranberries and popcorn (where did the cranberries come from?) and flecked with cotton snow from a quilt.

In Solomon, Kan., a peach tree was wound with rose-pink tissue paper and decorated with red candles, red apples, cranberries and bags of candy and, with the lights in the schoolhouse turned low and the candles lighted, was so beautiful that the children were awe-struck.

So the pink trees with red ornaments I saw in shop windows last Christmas were not an entirely new idea. And making do with what is at hand seems to be about as old as Christmas. In 1871, out by Lindsborg, a Swedish homesteader who lived in a sod house walked 20 miles for a piece of wood which he made into the trunk and support for a tree. A branch for every member of the family was fashioned of wire covered with frills of fancy paper, and the resulting Christmas tree has been used in the family ever since. Does not this Swedish tree, born of ingenuity in the face of lack on the Kansas prairie, seem very much like some modern creations born of lack of apartment space; lack of children; desire for novelty, self-expression, artiness or whatnot? Even the familiar green tree, as aforementioned, has been flocked white, blue, pink or what have you.

Some 50 years ago a president of the United States, Theodore Roosevelt, banned the use of Christmas trees in the White House because, as an ardent conservationist, he feared the effect of the cutting of young evergreens, on our forests. He was led to change his mind, fortunately, and today none other than the American forest products industries tell us not to worry about the plight of the poor Christmas tree. It is as "replaceable as the Thanksgiving turkey and just as indispensable to the American scene."

I read a story years ago, possibly in a grade school reader, of a sailor shipwrecked in the Arctic who contrived a Christmas for himself and the Eskimos, even to creating a tree of sorts from whitened bones. On Christmas day he blew a kiss, hoping the south wind might waft it to the cheek of his little sister. I have forgotten everything else, but I thought it an interesting tale.

A friend in Argentina writes of her Christmas tree: "Instead of a
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NURSERY MAGIC
 BALL 500 to 2000 TREES PER DAY
 CULTIVATE 6 FOOT STOCK EASILY
 UNDERCUT FASTER THAN A MAN CAN WALK
 DIG BARE ROOT TREES INDIVIDUALLY
 SPRAY CHEMICALS AND FERTILIZER

1 MACHINE
 Does Every Nursery Job

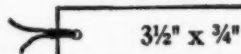
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JEFFY BALLING CO.
LONG LAKE, MINNESOTA

Greenwood 3-9191, 12 Miles West of Minneapolis on Highway 12

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- Patented cardboard backing permits easy embossing with ordinary lead pencil.
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GREENHOUSE ERECTION

BY

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ANTI FROST
 NURSERY PROTECTIVE BAGS
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NURSERY PROTECTIVE BAGS

For Complete Winter Protection of All Evergreens
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EDCO IRON

The new chelated organic iron
 Recommended for Chlorosis of
 Azaleas, Gardenias, Citrus, Roses and
 similar plants.

1 or 2-lb. bags \$2.00 per lb.
 10-lb. drums 1.50 per lb.
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Usually applied at rate of 1/2 to 1
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EDCO CORP.
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DRESS UP YOUR PLANTERS WITH UNION PLASTIC TRELLISES!



Union Pagoda Trellises are designed for beauty... planned to set off any assortment of plants. Choice of gaily decorated butterfly, hummingbird, love birds or flamingo. Also available without ornament.

Six eye-catching plastic colors.

Write today for catalog and prices.

UNION PRODUCTS, INC.
Leominster, Mass.

pine tree (other years I have bought one and planted it, but with no success) we had an "espinillo," which is a small tree with leaves resembling needles. It looked quite well after being decorated but, as it has big thorns, you can imagine how my hands looked after I had finished!"

* * *

Some Christmas trees are grown as a crop on tree farms, some are thinned from natural forests, many are imported from Canada; so we can enjoy the fragrance and beauty of our trees with no guilty pangs.

In New England the Christmas tree is more than likely to be a balsam fir; in Wisconsin, a black spruce; in Kansas, a red cedar; in Alabama, a pine. Since the American continent has many more varieties of evergreens than any other land where Christmas is celebrated, each section of the country can enjoy its own. Most used have been spruces; most prized, balsam firs, but the use of various pines is becoming more widespread.

* * *

If the sacred oak of the Druids became associated with human sacrifice and pagan barbarities, there is a water oak in Wilmington, N. C., that is called the world's largest living Christmas tree. It is a huge tree, 75 feet high, with a spread of 110 feet, estimated to be 300 years old. Since 1929 it has been bedecked with 4,000 lights each December as a symbol of the birth of the Light of the World. Hundreds of visitors flock to see its lights and to enjoy the choral and instrumental concerts provided each evening of the holiday season beneath its branches.

QUEAR NURSERY, 10725 Westfield boulevard, Indianapolis 20, Ind., is a new nursery, recently started by Chester Quear. On 37 acres of land, a variety of evergreens will be grown to sell at retail.

HARRY MALTER, of the Greening Nursery Co., Monroe, Mich., made a recent inspection trip among Oregon nurseries and observed that the damage done by the mid-November freeze was the worst he had seen in many years.

EVERGREEN NURSERY, Antioch, Calif., operated by Thomas Gill, Sr., and two sons, William and Thomas, Jr., at Olive lane and Oakley highway for the past three years, will move to a new site, where a sales building and garden shop are under construction for the nursery, on Viera lane at the Oakley highway.

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